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JANUARY 10, 1914.

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0 in V 4 rd	9d.	4.3
$\frac{2 \text{ in.} \times 4 \text{ yd.}}{2 \text{ in.} \times 4 \text{ yd.}}$		113
", ", $2\frac{1}{2}$ in $\times 4$ yd.	$11\frac{1}{2}d$.	1½d. ,,
$,,$ $,$ $3 in. \times 4 yd.$	$1/0\frac{1}{2}$	1½d. ,,
,, ,, 4 in.×4 yd.	$1/6\frac{1}{2}$	$2\frac{1}{2}d.$,,
White, ,, $1 \text{ in.} \times 3 \text{ yd.}$	6d.	$1\frac{1}{2}d.$,,
,, ,, $2 \text{ in.} \times 4 \text{ yd.}$	1/-	2d. ,,
"," ", $2\frac{1}{2}$ in. $\times 4$ yd.	1/6	$2\frac{1}{2}d.$,,
$,,$ $,$ $3 in. \times 4 yd.$	1/10	3d. "
Crepe, 2 in.×6 yd	6/6	10d. "
$\frac{2^1}{2}$ in. $\times 6$ yd	7/6	1/- ,,
$\frac{3_1}{2}$ in $\times 6$ yd	9/6	1/6 ,,
Muslin, $2\frac{1}{2}$ in. $\times 6$ yd	$1/2\frac{1}{2}$	2d. ,,
$"$, $"$ $"$ in. $\times 6$ yd	$1/6\frac{1}{2}$	$2\frac{1}{2}$ d. ,,
$4 \text{ in } \vee 6 \text{ vd}$	1/10	3d. "
Calico, Bleached, $2 \text{ in.} \times 3 \text{ yd.}$	1/1	6.0
Pres C vie 8	1/01	01.3
		913
,, Unbleached, $2\frac{1}{2}$ in. $\times 3$ ye		
", 4 in. ×3 ye		3d. ,,
Domette, $2\frac{1}{2}$ in. $\times 6$ yd	4/-	7d. ,,
$3 \text{ in.} \times 6 \text{ yd.} \dots$	5/-	8d. ,,
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	each $1/9$	2/6 ,,
$_{,,}$ $_{,,}$ $_{2\frac{1}{2}}$ in.	$ imes 7\frac{1}{2}$ ft.	
	each 3/-	3/9 ,,
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	yard 4d.	6d. "
,, ,, 3 in.		8d. ,,
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$9 \text{ in } \vee 6 \text{ vd}$,, 5/6	0.3
,, 5 m. ∧ 0 ya.,	,, 0,0	εα. ,,
Cauzes—		
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per doz.	pkts. 6/6	9åd. ,,
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lodoform, 6 yd. ×1 yd. ,,	11/-	1/3 ,,
Picric Acid, 6 yd. ×1 yd. "	12/-	1/6 ,,

						& H.'s		
Lints—						. pkts	by Insur Commi	
Unme	dicated,	1 oz.	pkts.			1/6	2d. p	kt.
	"	2 oz.	,,		•••	3/-	4d.	,,
	,,	4 oz.	,,	•••	•••	5/6	7d.	,,
	,,	8 oz.	,,	•••	•••	10/-	1/-	**
	,,	1 lb.	,,	•••	•••	19/-	1/11	"
Boric,		1 oz.	"	•••	•••	1/1	1½d.	"
,,		2 oz. 4 oz.	7.5	•••	•••	2/2	3d. 5d.	* 1
"		8 oz.	,,	•••	•••	4/- 7/-	9d.	,,
,,		1 lb.	"	•••		13/-	1/4	"
Sal Ale	embroth				er lb.	2/-		lb.
Jai Ai		1 oz.			z. pkts			pkt.
	,,	1 02.	,, P	cr ao	o. pros	. 210	ou.	P10.
Wools-			4 -	1.		doz. pk	ts.	
Cottor	1, Interle			_	•••	1/-	1½d. 2½d.	"
,,	"		2 oz. 4 oz.	,,	•••	$\frac{1}{9}$ $\frac{2}{8}$	2 <u>2</u> α. 4d.	22
"	"		8 oz.	"	•••	5/-	7d.	97
"	"		1 lb.	"		9/-	1/-	"
	1 lb. pkt				er lb.	1/-	2/- 1	
"	1 oz. ,,					1/1	2d. 1	
	embroti					1/3	2/6 1	
			-	_	z. pkts	,	$2\frac{1}{2}d.$	
Wood Wool	" Lilb n				er lb.	6½d.	10d.	
Oiled Cam				-	er vd.	1/2	1/9 y	
Oiled Silk,				pe	-		0.1	
,					"	1/8		"
Oiled Pape	,				"	1d.	- 10	"
Cutta Pero Adhesive I					,, ~ ££	10d.		,, _{EL}
_				_	*	2d.	3d. so	-
						4d.	6d. 1	4
ice Bags,					each	5/3	6/9 €	each
,,	Check, c		- +			- / .	2.1	
Outlinks 1	1		n. dia	,	,,	1/4	2/-	"
Splints, A					"	2d.	8d.	"
Catheters,	Best br	own gr	am-ela			4.1	012	
	Soft ru	hhar		-	r doz.	4/- 5/6	$8\frac{1}{2}d.$ 1/3	"
),	Son ru	pper	•••	•••	,,			"
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Page

INDEX TO ADVERTISEMENTS IN THIS ISSUE

The Arabic numerals (1 to 32) in this index refer to Advertisements in front of the literary pages the Advertisements following the literary pages are numbered in Roman numerals (i to xxviii).

Page Page

Page
Ainslie & Co
Aintight Consules Co., Ltd 20
Alreadre I. Xvii
Alexandre, Lxvi
Allali, A. E
Allcook & Flasters
Allen & Handulys, Dad. Chamical Co. iv
Alliance Drug & Chemical Co. 12
Aleandre, L
Apollinaris Co., Ltd
Atkinson & Barker
Ayrton, Saundens & Co., Ltd. 10
Bailey, W. H., & Son
Baker, P. C Cot. Supp.
Barelay & Sons, Ltd
Barnett & FosterXVIII
Bath and West of England
CollegeXXVI
Beecham, T VIII
Berdoe & Fish Cot. Supp.
Bidwell, Bidwell & Co., Ltd. x111
Blyton, Astley & Co 50
Boehringer. C. F., & Soehne vii
Boehringer, C. H. Sohn
Bovril, Ltd 29
Allieoli, B. Andellinaris Co., Ltd
Brett & Co Col. Supp.
Bristol Myers Co 27
British Drug Houses, Ltd. Cover
Brytstele Manfg. Co 16
Buohler, H
Bristol Alyers Co. British Drug Houses, Ltd. Cover Brytstele Manfg. Co. 16 Buohler, H. Burge, Warren & Ridgley, Ltd. Ltd. XXIII Bryggueh J. Ltd. Text 40
Ltdxxiii
Burrough, J., Ltd Text 40
Burrough, J., Ltd Text 40 Burroughs Wellcome & Co 31
Carnegie Bros
Chemical Union, Ltd Text 40
Chemical Works, Victoria 27
Carnegie Bros. 2 Chemical Union, I.td. Text 40 Chemical Works, Victoria 27 Chemists' Dental Societyxxvii Chemists' Friendly Society
Chemists' Friendly Society
Col. Supp.
Christy, T., & Coi, xvii
Coleman & Coxx
College of Preceptorsxxvii
Col. Supp. Christy, T., & Co
Cook, Geo. 18 Corbyn, Stacey & Co., Ltdiii Crawshaw, E., & Co. xvi Cupal, Ltd. 32
Corbyn, Stacey & Co., Ltdiii
Crawshaw, E., & Coxvi
Oupal, Ltd 32

igs, iriff

ranc**e** sittee. pkt.

l. "

lb. okt.

d_pkt.

yd.

DON."

Curle, J. A., Ltdxix Diamond Mills Paper Coxiv Duncan, Flockhart & Coii Ecsolent Compounds, Ltd17
Diamond Mills Paper Coxiv
Duncan, Flockhart & Coii
Ecsolent Compounds, Ltd 17
Edward's Dental Manig. Co.,
Ltd. xxiii Ellison, H., Ltd. xvi
Elt's College vyvi
Elt's Collegexxvi Erasmic Co., Ltdxi
Evans Sons Lescher & Webb,
Evans Sons Lescher & Webb, Ltd
Exchange Column Col. Supp.
Express Developing Co 23
Fairchild Bros. & Foster 32 Farina, J. M., No. 4 28
Faulding, F. H., & Coxxv
Faulding, F. H., & Co. xxy Fentiman, A. G. xvi Fentiman, A. J., & Co. xvi Fickus, Courtenay & Co., Ltd. 28 Fink, F., & Co. xvi Flemmer, S. A. xxvii Fletcher, Fletcher & Co., Co., Ltd. Text 40 Freudentheil & Co. iv
Fickus, Courtenay & Co., Ltd. 28
Fink, F., & Coxvi
Flemmer, S. Axxvii
Fletcher, Fletcher & Co.,
Ltd Text 40
Freudentheil & Coiv
Fulham Pottery and Cheavin Filter Co., Ltdxxiii
Cárandal A vvi
Grant D
Griffin, J. J., & Sons, Ltd 22
Hackett, S. E Col. Supp.
Halder, E. Cxvi
Hardy Patent Pick Co., Ltd. 16
Filter Co. XXIII Grant, D. 18 Griffin, J. J., & Sons, Ltd. 22 Hackett, S. E. Col. Supp. Halder, E. C. Xvi Hardy Patent Pick Co., Ltd. 16 Harley, T. Xxiv Harrison & Waide 22
Harrison & Walde 20 Harrison, G. W Text 40
Harvey Bros 16 Hawker, A. E Cover
Henry, T. & W
Henry, T. & W
Hoffmann-La Roche Chemical
Works, Ltdvii
Horlick's Malted Milk Co 27
Hewlett, C. J., & Son, Ltdl Hoffmann-La Roche Chemical Works, Ltdvii Horlick's Malted Milk Co 27 Ichthyol Covii International Laboratories 14, 15 Isaacs, I., & Coxii Jewsbury & Brown Text 40
Leader T & Co
Jewshury & Brown Test 10
Josephs, J., & Sons, Ltd.
Col. Supp.
,

Page
Keene & Ashwell, Ltdxi Kent, G. B., & Sons, Ltdxi Kopp & Joseph
Kent, G. B., & Sons, Ltdxi
Kopp & Josephx1
Kyho Proprietary Ltd 20
Lescol Perfumery Co vy
Levermore, A., & Co., Ltdxvi
Levermore, A., & Co., Ltdxvi Lewis, H. K
Little, D. J., Co 23
Liverpool Schoolxxvi
Lofthouse & Saltmer, Ltd 26
Little, D. J., Co. 23 Liverpool School xxvi Lofthouse & Saltmer, Ltd. 26 London College of Chemistry xxvi London Proprietors Co.
Lorimon Marchall Itd Course
Mandall & Co
Matthews, D., & Son Col. Supp.
Maw, S., Son & Sons 10, 11
McAdam & Tuckniss Col. Supp.
Mandall & Co
McQueen & Co Col. Supp.
Midland Drug Co Cot. Supp.
Miller A & Co I+d veri
Mitchell N W & Sons Ltd vii
McQueen & Robbins x McQueen & Co Col. Supp. Merten, F., & Co Col. Supp. Millard Drug Co vi Millard A., & Co. Ltd xviij Mitchell, N. W., & Sons, Ltd. xii Morson, T. & Son v Mumford, G. S., & Sons Text 40 Natural Food Co., Ltd 27 Newbery, Francis, & Sons, Ltd xiv Newbery, Frank, Ltd x Nitsche & Gunther Ontical
Mumford, G. S., & Sons Text 40
Natural Food Co., Ltd 27
Newbery, Francis, & Sons,
Nowhare Estate X43
Nitroho & Cupther Onti-1
Nitsche & Gunther Optical Co., Ltd. 21 North of England Schoolxxvi
North of England School xxvi
Orridge & Co Col. Supp.
Parnall & Sons 19
Orridge & Co. Col. Supp. Parnall & Sons 19 Pascall, J., Ltd. xx Patermann Bros. 9 Perken, Son & Co., Ltd. 23 Pharmagnatische Ludwig in in
Patermann Bros 9
Perken, Son & Co., Ltd 23
Pinex Co., Ltd
Raab, H., & Co.
Raab, H., & Coxv Raworth, J. Exvii
Reade Bros. & Co., Ltdxxiv Rendell, W. Jxxii
Rendell, W. Jxxii
Robinson & Sons, Ltd
Rudduck & Co Col. Supp.
rudduck & Co Cot. Supp.

•	Lake
	Sanitas Co., Ltd
	Schacht, Warner & Co. Text 40
	Schliemann's Oil & Ceresine
	Co Ltd
	Schutze E & Co Ltd viii
	Charman's Batant Symbon
	G. Til
	CO., LIGXVIII
	Shirley Bros., Ltdxvi
	"Silwyr" xi Singleton & Cole, Ltdxvii
	Singleton & Cole, Ltdxvii
	Sleggs & Co
	Smith, T. & H., Ltdiv
	Solazzi Liquorice Juicexxv
	Solport Brosxiv
	Spatula Co 20
	Spatula Co
	Steele & Marsh vi
	Steele & Marshvi Stern Sonneborn Oil Co., Ltd. xii
	Stevens C H Itd.
	Stevens, C. H., Ltdxxv Stevenson & Howell, Ltd 1
	Tiles of Con Til
	Tidman & Son, Ltdxii
	Tilling, T., Ltd 22
	Tidman & Son, Ltd. xii Tilling, T., Ltd. 22 Tokalon, Ltd. 13
	Tomlinson, T., & Son Col. Supp. Tompkins, J., Ltdxvi Toogood, W., Ltdxxii Tooth's Extract of Meat Co. 27
	Tompkins, J., Ltdxvi
	Toogood, W., Ltdxxii
	Tooth's Extract of Meat Co. 27
	Van Horn & Sawtellxvi
	Viscose Development Co. Ltd. 18
	Vittel Waterxx
	Wallack Days T43
	Wallach Bros., Ltd
	Wander, A., Ltd 26
	Ward & Goldstonexvii Wardale, F. C., & Coxvii
	Wardale, F. C., & Coxvii
	Washington Chemical Co.,
	Ltdiv
	wattenbach, Uxvi
	Westminster Collegexxvii Whiffen & Sons, Ltdiv
	Whiffen & Sons, Ltdiv
	Whitaker & Co
	Widenmann, Broicher & Co.,
ı	Widenmann, Broicher & Co., Ltd. vii
ı	Wilkinson J F
ı	Wright, J., & Co 18
ı	Zahradnik, Jxvi
J	Zimmermannı C & Co
1	Zimmermann, C., & Co. (Chemicals), Ltdxxv
	(Jacobs of the Comment of the Comme

THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

attention, as shown weekly in Adventising Allison, J. R. B. Bell Advertising Co. Bromley, A. W. Degen, F. A. W. Degen, F. A. W. Degen, F. A. W. Barnett & Foster Flugel & Co. Pure Aeration Supply, Ltd. ER. WATER MATERIALB Barnett & Foster Boake Roberts & Co., Ltd. Bush, W. J., & Co., Ltd. Flugel & Co. Hay, William Ltd. Stevenson & Howell, Ltd. AERATED WATERS Command, Ltd.

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Boehringer, C. H., Sohn
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Haywood, J. H., Ltd
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Carnegie Bros.
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Evans Sons Lescher & Wehb, Ltd
Griffin, J. J., & Sons, Ltd.
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May & Baker. Ltd. May & Baker, Ltd.
Merck, E.
Starge, John & E., Ltd.
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No. 117

JAN, 10, 1914

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Two of our new fleet of motor vans have made their appearance in the London streets. They form the nucleus of a network of delivery systems mapped out by us, and made necessary by the rapid expansion of our business. Each van bears a replica of the above famous "MAW" triangle in yellow on a dark green body.

India-Rubber Sponges. We have a selection of the finest quality at lowest price—12/6 per lb., oblong squares, sizes 1 to 6. Special quotations for quantity. Maw value again!

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Here are more "New Year" reductions in prices. The following low quotations for Vaginal and Rectal Pipes are now in force: B/1190/B Glass, straight, and B1191/B, curved, 5 in., each 2d., 1/- per doz.; 1828 Rectal or Wound Pipes, glass with collar, 3d. each, 1/6 per doz.; Female Catheters, glass ctto. Not less than ½ dozen supplied at these rates.

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Compare with this our MERITOR HAIR BRUSH. On detailed examination we find each tuftcomposed of bristles of unequal length, giving almost a pyramidal appearance to its businessend. This is done with a purpose, and can only be properly carried out by a trained and expert hand. Every tuft has to be arranged correctly as it is put in, both in regard to its own construction and as to its relative position to the remainder of the brush, for no amount of 'trimming' can ever make a badly-drawn brush efficient."

(From our New List, p. 104).

"Meritor" material is made from selected horn. Resilient, non-

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JAN. 10, 1914

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We have continued our policy of last year, and put up all our "National Insurance" dressings and appliances SEPARATELY WRAPPED

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Supplies so prepared are impervious to all dirt and risk of damage;
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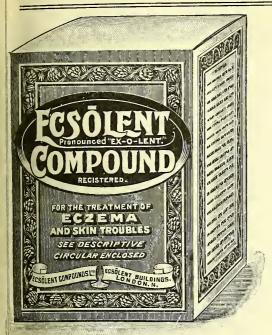
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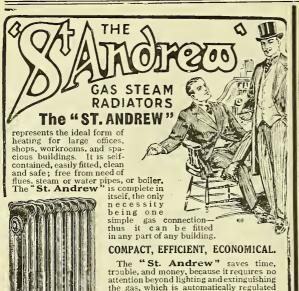
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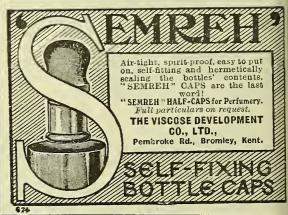
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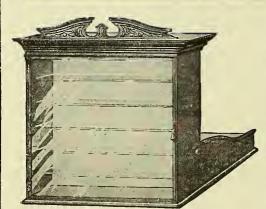
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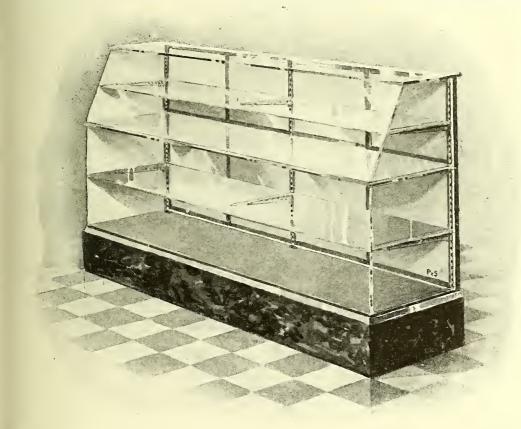
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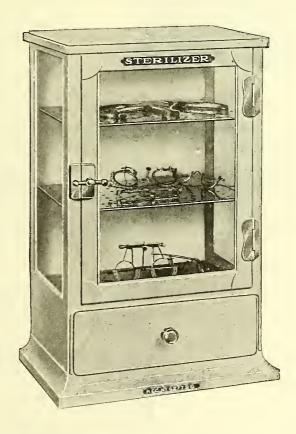
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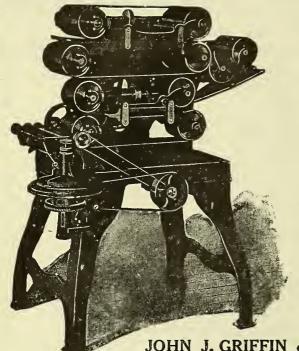
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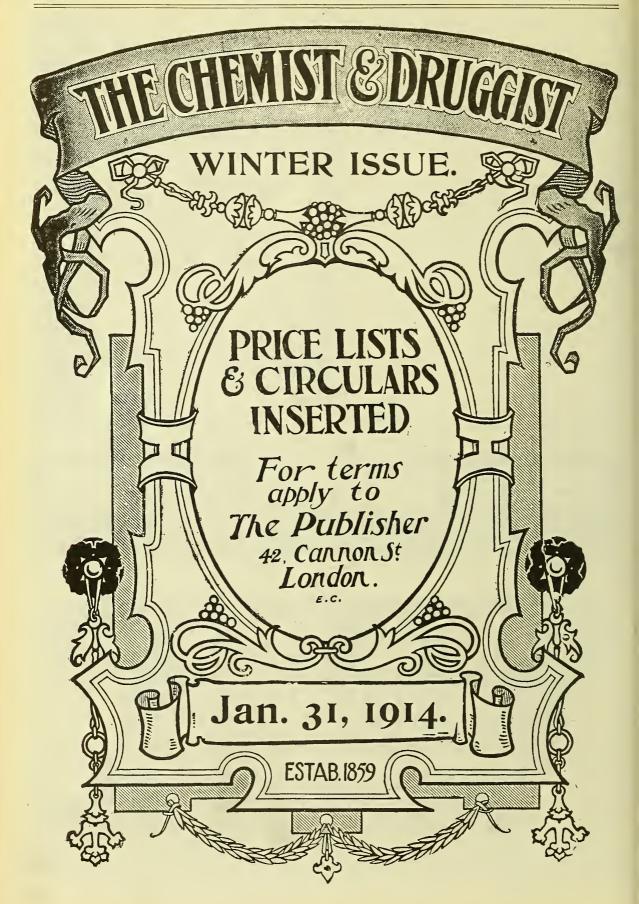
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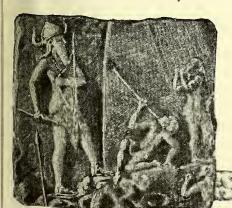
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CONTENTS OF THIS ISSUE.

Vol. LXXXIV., No. 2 (Series No. 1772).

["Page" and "p." (in the text) refer to the numbers at the top of the pages; the numbers in the Index refer to the Index folios at the bottom of the pages, which also are used in such references as 1913, II., 876.]

	PAGE		PAGI
Almanaeks	34	Legal Reports	. 41
Australasian News	39	Marriages	. 42
Bankruptcy Report	60	Medical Memoranda	. 46
Births		Minor Botany	
Books, New	65	National Health Insur-	
British Pharmaccutical		anco	
Conference		Observations and Reflec-	
C. & D. Diary	60	tions	. 47
Coming Events		Our American Letter	
Companies		Our German Letter	
Correspondence	66	Patehouli Oil	. 34
Deaths		Personalities	
Editorial Articles:		Pharmaceutical Society:	
A New Year's Reso-	• •	Council-meeting	
lution		Minor Examination	
Chemists and Dentistry		Poisonings	
Belladonna Cultiva-		Retrospect	. 68
tion	50	Röntgen Society	
Notes		Scientific Progress	. 35
English News		Soottish News	
Festivities		Society of Chemical In-	
French News		dustry	
Galls		South African News	40
Gazette		Trade-marks	
Information Department	46	Trade Notes	
India and the East	39	Trade Report	61
Irish News		Wills	44
Late Law		Winter Session	59
			=

IS YOUR INSET READY

for the printer? Perhaps it is already printed. It may be a fine lithographed circular of attractive design and colour; it may be a leaflet dealing with a special new preparation; or it may be your latest catalogue and price-list. No matter which, if it appeals to the drug and allied trades it is suitable for distribution as an inset, provided it is about the size of the C. & D. page. Send a copy to the Publisher, and he will tell you all that is required, and at the same time quote you for the distribution of 12,000 as insets insets

FOR THE WINTER ISSUE, January 31, 1914.

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The Chemist and Druggist, Telegrams: Chemieus Cannon London (two words). Telephone: Bank 852 (two lines).

SUMMARY.

Subscribers are advised to read this column first.

Articles and Communications.

The contents of six new books are concisely summarised on pp. 65-66.

We reprint an 1864 note by Mr. Barnard Proetor on insect wax (p. 68).

Toilet-soaps on the market are remarkably pure, says "The Lancet" (p. 51).

Failures in the British drug-trade during 1913 were 50 per cent. under 1912 (p. 51).

The Minor examination botany article on p. 34 figures and describes male fern.

A new research on the tannins isolated from Chinese and Turkish galls is described on p. 35.

Sir Almroth Wright's observations on Rand miners' pneumonia are epitomised on p. 46.

Further letters in regard to Insurance Act dressings and dental chemists are contributed (pp. 66-67).

We discuss the claims of dental chemists for recognition

in the event of the Dentists Act being amended (p. 49). The lessons of 1864 are continued by "Xrayser II.," who also deals with the pharmaceutical words in the new part of the "Oxford English Dictionary" (p. 47).

As the result of experimental cultivation of belladonna in the United States under Government auspices, it is proved that the alkaloidal content of the leaves is comparatively constant in individual plants, but differs among themselves (p. 50).

Insurance Act Dispensing.

A list of the Welsh Pharmaceutical Committees is given on p. 55.

Causes of delay in paying chemists' accounts are described on p. 54, and it is suggested in an Editorial article that panel chemists may expedite matters in 1914 by promptly pricing prescriptions (p. 48).

The proposed reorganisation of the Pharmaceutical Society for Insurance Act purposes is printed in full on p. 56, to throw light on the general condemnation of it which is reported from many more centres (pp. 56-58). A London meeting re federation is dealt with in the Coloured Supplement.

News of the Week.

The rumour about a soap-combine in China is incorrect (p. 42).

The provisional programme of the British Pharmaceutical Conference meeting at Chester in July will be found on p. 45.

The pass-list of the Irish Pharmaceutical Preliminary examination is on p. 37, and that of the Minor examination in London on p. 53.

The 1914 German medicine tariff makes concessions to apothckers, but balances these by reducing the fees for dispensing compressed tablets (p. 38).

The chief interest to chemists at the meeting of the London section of the Society of Chemical Industry was a paper by Mr. Phillips, of the Imperial Institute, on "New Sources of Monazite from which Thoria is Obtained" (p. 45).

The Council-meeting of the Pharmaceutical Society of Great Britain was a short one. The details of the coming conference on Insurance matters were settled, and a congratulatory resolution sent to Sir Richard Winfrey. There are now two vacancies on the English Board of Examiners (p. 52).

Trade and Market Matters.

A review of the cod-liver oil market in 1913 is printed on p. 65.

The export and import trade of the United Kingdom was greater in 1913 than it has ever been. See the note on the Board of Trade report, p. 51.

Business has now been fully resumed on the markets, but market changes are few. Belladonna-root, Bourbon geranium pil, Persian opium, and Florentine orris are tending higher. The Messina essences are on the easy side. Citric acid and shellac are cheaper. The first drug-sales of the year were held to-day (p. 61).

Minor Botany.

CANDIDATES for the Minor Examination of the Pharmaceutical Society of Great Britain are, in the words of the official schedule or syllabus, required to recognise any of the plants in the following list:

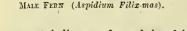
Aconitum Napellus. Papaver Rhæas. Papaver somniferum. Brassica alba. Brassica nigra. Coohlearia Armoracia. Althæa officinalis. Ruta graveolens. Cytisus Scoparius. Rosa canina. Prunus Laurocerasus. Bryonia dioica. Conium maculatum. Fæniculum capillaceum. Enanthe crocata. Sambucus nigra. Valeriana officinalis. Anthemis nobilis. Matricaria Chamomilla. Taraxacum officinale. Menyanthes trifoliata. Atropa Belladonna. Datura Stramonium.

Hyoscyamus niger. Solanum Dulcamara. Digitalis purpurca. Lavandula vera. Mentha pipcrita. Mentha viridis. Mentha Pulegium. Rosmarinus officinalis. Daphne Laureola. Daphne Mczcreum. Quercus Robur. Ulmus campestris. Salix alba. Colchicum autumnale. Avena sativa. Hordeum distichon. Triticum vulgare. Pinus sylvestris. Juniperus communis. Juniperus Sabina. Taxus baccata. Aspidium Filix-mas.

As space permits during this year we propose to figure these plants, following as far as possible the ideas of modern botanists when describing them in order of increasing complexity on supposed evolutionary lines. At the same time Bentham and Hooker's classification will be used because this is adopted in the Pharmaceutical Society's syllabus and because it is the basis of classification in British museums.

The botanical kingdom is divided on this system into flowering plants (Phanerogamia; phaneros, evident,

gamos, marriage) and flowerless plants (Cryptogamia; cryptos, hidden, gamos, marriage). The distinction indicated by the names of the two great groups no longer holds good, as researches of the last sixty years show that the sexual processes in Cryptogams are more distinct and more highly organised than those of Phanerogams. The flowerless only plant in the list is the male fern, Aspidium (sometimes designated Lastraa) Filix-mas, belonging to the Pteridophyta or fern family. The ferns are a comparatively small remnant of fern remnant types which were dominant on the earth in the Coal Age. The male Age. The male fern is a typical member of the class (Filices) to which



it belongs. It is one of our com-

monest indigenous ferns, being fairly abundant in shady places. The plant consists of an almost horizontal under-

ground stem (rhizome) closely beset with remains of leafstalks from the pointed base to the crown, where the leaves (usually known as fronds) are given off. In strong plants the circular tuft of fronds may attain 3 feet in height. At the apex is a bud of leaves folded in characteristic crozier-like (circinate) manner. Such buds take three or four years to develop before they unfold. Both the rhizome and leaf-bases are clothed with membranous scales. In July to September the under-surface of the leaves will be found to bear clusters (sori) of spore-containing stalked capsules (sporangia), covered by kidneyshaped covering (indusium). The fact that the ordinary leaf bears the spores shows that the division of labour in the fern is lower than in the flowering plants, where the flowers, which contain sporophylls or spore-bearing leaves, are specialised branches. The pinnate leaf of the male fern, bearing kidney-shaped sori of sporangia, is quite characteristic. The botanical name of the plant is derived from aspis, a round shield, referring to the shape of the indusium. Those who like to delve into the anatomy of the plant will find special points of interest in the arrangement of water conducting tissue, wood-cells (tracheids), chaffy scales, and secreting glands in the intercellular spaces of the rhizome.

Patchouli Oil.

EHMANN ("Chemiker Zeitung," 1913, 1589) records L EHMANN ("Chemiker Zeitung," 1913, 1589) records the fact that during the past few months there has been noticed a distinct change in the characters of patchouli oil distilled in Europe. Until recently this oil had a specific gravity which was usually well over 0.970, an optical rotation of over -60°, and was soluble to a clear solution in one volume of 90-per-cent. alcohol. During the past few months the oils distilled from Penang herb from which all foreign herbs were absent possessed a specific gravity of from 0.950 to 0.960, an optical rotation from -42°, with -59° as the highest observed. The oil, furthermore, requires up to six or more volumes of 90-per-cent. alcohol for complete solution. Two particularly abnormal oils have been noticed, having the following characters:

				(1)	(4)
Specific gravity				0.935	0.937
Optical rotation	•••			9°	—34°
Refractive index				1,505	1.507
Saponification value				4.5	6.5
,, (а	fter a	cetylat	tion)	38	42
Solubility in 90 % alc	cohol	•••	•••	1 in 4	1 in 5
00					

Almanacks and Calendars.

MR. H. STACEY HALL, chemist and druggist, 117A and 119 Medlock Street, Manchester, S.W., sends out to his customers a combined calendar and letter rack or "tidy." The calendar consists of monthly tear-offs. The upper part is filled up with a colour picture, "In the Highlands." Messrs. A. Boake. Roberts & Co., Ltd., manufacturing chemists, Stratford, London, E., send out to their customers a full-size plotting and upon each page of which is a com-

a full-size blotting pad, upon each page of which is a complete calendar, so printed as not to interfere with the use of the blotting-paper. It is a useful desk companion.

MR. MAJOR HILL, cash chemist, 109 Norfolk Street, Wisbech, sends us a copy of his 1914 almanack. It is attractively produced, with a cover in bronze and violet, and the letter-press throughout is printed in violet ink. It contains a medical guide and price-lists of sundries and patent

Messes. Dixon & Sons, chemists, East Grinstead and Haywards Heath, issue a family almanack with crimson cover. It contains a local directory, portraits of the members of the firm, and photographs of the pharmacies and aëratedwater factory. Druggists' sundries are well advertised and illustrated.

Messes. Smith Bros. & Co., The Bonanza Drug Stores, Port-of-Spain, Sangre Grande and Arima, Trinidad, B.W.I., publish a diary of about one hundred pages. The size of the page is the same as that of The Chemist and Druggist, and each diary page is ruled for a fortnight. The advertisements are all concerned with Messes. Smiths' business.

x-Rays and the Tissues.

DR. JEAN CLUNET, of Paris, has recently made by x-rays on animal tissues. On Monday evening, January 5, he laid the result of his researches before the Röntgen Society in a most interesting lecture given at the Middlesex Hospital. A large number of photographs, in natural colour, of microscopical sections of skin were shown. The changes following an excessive dose of x-radiation are very marked; in a few days the nuclear cells increase in size enormously, ultimately degenerating into a keratinous or horny substance. well-known action of the x-rays in producing sterility of the spermatic glands was shown by sections of the testicles of rats, before and after treatment. Although the first stages showed an increased production of spermatozoa, after a few days not one could be seen, this demonstrating, what has been known for some time, that the unprotected x-ray worker reaches this condition.

Dr. Clunet's work proves the well-known fact that the most destructive action and danger to the worker and patient lies in those rays which are most easily absorbed by the tissues, known as soft rays. He shows the necessity of using suitable screens to filter out the soft rays if the deeper tissues are to be treated successfully. It is also evident that, although big doses have a destructive action, small doses stimulate.

In the discussion following the lecture, the interest-

ing statement was made that if the ear of a rabbit receives an application of x-rays, there is destruction of tissue on one side only, which is clear evidence that the inner surface of the ear is largely protected from soft rays by the screening action of the intervening cells—the thickness being less than one-eighth of an inch. All these observations confirm the view of experts in this department of therapeutics that the manner of using x-rays has much to do with their curative influence.

Galls and their Tannins.

AN exhaustive investigation has been made by K. Feist and H. Hann on the constitution of the tanning found in Turkish and Chinese galls, and the results of the research have been published in the "Archiv der Pharmazie," concluding with the issue of December 17, 1913, p. 526. The communication is lengthy, and we only give the conclusions arrivel at, but the original should be consulted by any who study this important section of chamistry. The investigators this important section of chemistry. The investigators have determined the following points:

(1) In the place of the gluco-gallic acid of Turkish galls, a crystallised substance was obtained from Chinese galls and

determined as gallic acid.

(2) Through hydrolytic action by means of dilute sulphuric acid, glucose was split off from Chinese-galls tannin, qualitatively and quantitatively, whereby it was determined that both tannins always contain glucose in ehemical combination, but Chinese-galls tannin contains less grape-sugar than the Turkish-galls tannin.

(3) The constitution of gluco-gallic acid was ascertained, the molecule being an ester-like compound of one molecule of glucose with one molecule of gallie acid (mono-galloyl-

glucose), as follows:

(4) From analogies obtained during the investigation of gluco-gallic acid and of tannin it may be concluded that gluco-gallic acid is the basis of the Chinese and Turkish tannin molecule.

(5) Synthetic products were obtained with phosphoric acid and arsenie acid from acetylated glucose.

(6) Efforts were made to obtain acetylated gluco-gallie acid synthetically, but the constitution of the product could not be established with certainty.

(7) The methyl products of Chineso and Turkish tannins were resolved into different fractions, this being a fresh proof

of the heterogeneity of tannin.

(8) That Turkish and Chineso tannins are distinct was proved by comparative experiments, which showed that Turkish tannin has a higher glucose-content than the Chinese; further, all fractions of methylated Turkish tannin have a higher methoxyl-content than those of the Chinese; in accordance with this, the molecular weight of the Turkish tannin was found to be smaller than that of the Chinese. In essential points, however, both tanning agree, there is no content to the chinese. In essential points, however, both tannins agree: they are mix-tures of glucosic-ester and gallie acid.

(9) The optical behaviour of various tannins was investigated. The values were found to fluctuate, this also pointing

to the lack of uniformity in purified tannins.

(10) Diazomethane, used in excess, has a de-methylating effect, from which fact deductions are made respecting the methoxyl values of the various fractions, as to the quantitamethoxyl values of the various fractions, as to the quantitative relation of glucose and gallic acid in the tannin molecule. The fraction of the Chineso methylated tannin insoluble in absolute alcohol in the cold was found to be Herzig's "Methylotannin." From the methoxyl-content it corresponds to a undeca- and dodeca-galloyl-glucose. The fraction of Turkish methylated tannin soluble in absolute alcohol in the cold represents, next to the gluco-gallic acid, the only crystallised derivative of unchanged tannin which has hitherto been obtained; but this product is not a uniform substance, but corresponds to a mixture of mono-, bi- and tri-galloylglucose.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale

Pikrastol.—This new remedy, administered in cases of epilepsy, is dimethylol-diformyl-methyleneyl-tetramethylenepentamine, C₂H₁₇N₂O₄. It is amorphous, and does not appear to have a well-defined melting-point.

Diogenal.—This body is a new sedative related to veronal. Chemically it is dibrom-propyl-diethyl-barbituric acid, $C_1, H_{10}Br_2N_2O_3$. It is a white crystalline powder melting at 126° , and contains 41.6 per cent. of bromine. The averago dose is 15 grains.

Eserine. -By distilling eserine in a high vacuum at 150° Skaus ("Liebigs Annalen," 1913, 350) has obtained a new body, escroline, C₁₃H₁₈N₂O. By distilling at 200° physostigmol results, which is related to escroline in the following manner:

 $C_{13}H_{19}N_{2}O = C_{11}H_{11}NO + NH(CH_{3})_{2}$

Physostigmol, C. HuNO, forms fine needles when crystallised from petroleum ether.

Formation of Alkaloids.—Ciamician and Ravenna ("Chem. Zeit.," 1913, p. 1156) from their researches on Datura and tobacco-plants draw the conclusion that vegetable alkaloids may be formed from amino-acids. Green tobacco-plants, normally containing about 0.15 per cent of nicotine, were found after treatment with pyridine tartrate to contain 0.22 per cent. of the alkaloid. Asparagin increased the alkaloidal content to 0.25 per cent., and benzoic acid and quinol to 0.4 per cent. Dextrose also led to an increased production of nicotine, whereas phthalic acid caused the proportion to be less than normal. Analogous results were obtained by treating Datura plants with pyridine, piperidine, and carbopyrrolic acids, the first causing the greatest increase. In both plants the added substances were completely assimilated.

A New Gentian Glucoside. - Bridel ("Répertoire de Pharmacie," 1913, 442) has extracted from the entire plant of Gentiana acaulis a mixture to which the bio-chemical methods of Bourquelot have been applied. By the action of emulsin a reducing sugar was found, and indications were obtained of the presence of a new glucoside, which crystallises out by the addition of 95 per cent. alcohol to the mixture. The glucoside is a golden-yellow crystalline body of ture. The glucoside is a golden-yellow crystaline body of slightly sweetish taste. Its melting-point is indefinite, and its specific rotation is -68.84° . It has the formula $C_{\rm tr}H_{10}O_{20}$. The name gentiacaulin has been assigned to it. It is hydrolysed by dilute acids, yielding gentiacaulein. and a sugar which is probably xylose. Gentiacaulein is a body having a phenolic function, and melts at 173°.

.Salonica Opium.—The exports from Salonica during 1912 amounted to 132 tons, compared with 82 tons in 1911. The principal destinations were the United Kingdom, Germany, and the Far East.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Lists of tradesmen holding Royal Warrants of Appointment were gazetted on January 2.

The Salford Town Council have decided to appoint a whole-time public analyst at a salary of 2501. per annum, rising annually by 251. to 4001.

Sanction has been given by the Local Government Board to the appointment of Mr. B. E. R. Burridge, chemist and druggist, as dispenser at the Portsmouth Union Infirmary.

The Hull Corporation is offering 51. reward for a tube of two milligrams of radium salt, value 801., which has been lost or stolen. This is a part of 1,000l. worth which was purchased about a year ago by public subscription, and deposited with the Corporation for loan to local practitioners in treating cancer.

At the meeting of the Holborn Board of Guardians on January 7, a letter was received from the Local Government Board sanctioning the increase in the salary of Mr. Norman Colbeck, chemist and druggist, dispenser at the infirmary, from 1801. to 1901. per annum. The Board, in their letter, added that the increase was personal to Mr. Colbeck.

"Carlo," a dog belonging to Mr. E. A. Pratt, of the Drug Stores, 155 London Road, Croydon, has been decorated with the bronze medal of the Canine Defence League. "Carlo's" barking, owing to an outbreak of fire next door, resulted in the saving of two lives. A photograph of the intelligent animal and its master was reproduced in the "Croydon Times" for January 3.

While clearing up some business in a back room after closing hours on Sunday, Mr. E. F. Young, Ph.C., Totterdown, Bristol, found himself the central figure in a dramatic incident. Hearing a noise in the yard he looked out, and was confronted by two detectives, and at the front door a man in uniform was stationed. The police had received information that there was a burglar on the premises, and Mr. Young found himself in the trap. Fortunately the police were prompt in realising their error.

Radium in Cancer.

Some account of the successful treatment of cancer by radium under the direction of Dr. Lazarus-Barlow, director of the Cancer Research Laboratories of the Middlesex Hospital, is published in "The Times." Time is required however, to substantiate the claims, but attention is directed to the difficulty in obtaining radium:

"It is a crying shame," states Dr. Lazarus-Barlow, "that radium cannot be obtained. I have every reason to believe, radium cannot be obtained. I have every reason to believe, from the statements of manufacturers, that radium could be sold at a profit at a few shillings per milligram. The present market price is 20% and upwards. In a matter of this urgency it becomes a question as to whether the State should not assume control of the sources of radium in this country for the benefit of the 35,000 persons who annually die of cancer in these islands. I am informed that our radium ore is to be found in Cornwall, and that the bulk of the Cornish radium is sold to Germany. Obviously this ridiculous inflation of price can only be artificially engineered, and it is little short of a disgrace that the economic law of supply and demand should be strained to the detriment of suffering humanity."

Institute of Petroleum Technologists.

The Council of the newly formed Institute of Petroleum Technologists has now been appointed as follows:

leum Technologists has now been appointed as follows:
President, Sir Boverton Redwood, Bart., D.Sc.; VicePresident, Lord Cowdray of Midhurst; ordinary members
of Council, Mr. A. C. Adams, Sir Robert Balfour, M.P.,
Dr. George T. Beilby, F.R.S., Mr. Edwin R. Blundstonc,
Professor John Cadman, D.Sc., Mr. John T. Cargill, Major
A. Cooper-Key, Mr. E. H. Cunningham Craig, Mr. Arthur
W. Eastlake, M.Inst.M.E., Mr. C. Greenway, Sir Thomas
H. Holland, F.R.S., Professor Vivian B. Lewes, F.I.C.,
Mr. T. C. Palmer, Assoc.M.Inst.C.E., and Mr. Robert Redwood, F.C.S. Sir Frank Crisp has been appointed honorary
solicitor, and Sir William Plender honorary treasurer.

There have already been a hundred applications for membership, and two honorary members have been elected: Dr. David T. Day, of the United States Geological Survey, and Geheimrat Professor Dr. C. Engler. The address of the Institute is 17 Gracechurch Street, London,

New Foreign Telegram Rates.

The rates for telegrams to the West Indies, British Columbia, Marshall Islands, Palaos Islands, Ceylon, and the Philippine Islands have been revised, and the ordinary rates per word are now as follows: West Indies: Aruba and Bonaire, 7s. 2d.; Porto Rico, 3s. 1d.; San Domingo, 4s. 3d. to 6s. 6d. British Columbia: Bellacoola, 2s. 4d. (via Marconi 2s.). Marshall Islands and Palaos Islands: 4s. 9d. Ceylon: 2s. (via Turkey 1s. 11d.). Philippine Islands: Manila, 3s. 6d., other places 3s. 9d. to 4s. 8d.

Store-prices.

The members' circular of the Civil Service Supply Association for January contains three pages of matter relating to the drug department, C.S.S.A. cod-liver-oil relating to the drug department, C.S.S.A. cod-inver-on-emulsion appropriating a whole page. Hot-water bottles, elastic stockings, abdominal belts, and C.S.S.A. season-able specialities are also given prominence. The recent additions to stock include Glaxo, 1s., 2s., and 5s. per tin; ovaltine, 1s. 9d. tin; and Plasmon powder, new sizes, 7d., 11d. 1s. 8d. and 3s. 2d. per packet. Prices advanced: 11d., 1s. 8d., and 3s. 2d. per packet. Prices advanced: Anzora cream, 1s. 6d. bottle; Shirley's neuralgic crystals, 1s. 7d. bottle; Steedman's soothing-powders, $10\frac{1}{2}d$. and 2s. 1d. packet; Woodward's gripe-water, $10 \frac{1}{2}d$. bottle. Prices reduced: Cockles' pills, 2s. 9d size, 1s. $11 \frac{1}{2}d$. box; Guy's tonic, 1s. bottle; powdered myrrh, 2d. oz.; naphthaline balls, $2 \frac{1}{2}d$. lb.

Shops Act.

The Peterborough City Council on January 2 issued a draft order for chemists to close at 7 p.m. on Mondays and Tuesdays; 8 p.m. on Wednesdays and Fridays; 1 P.M. or 7 P.M. on Thursdays; and 10 P.M. or 1 P.M. on Saturdays.

The Worcestershire County Council have issued a draft order for chemists at Stourbridge to close at 8 P.M. on Mondays, Tuesdays, and Wednesdays; 1 P.M. or 8 P.M. on Thursdays; 8.30 P.M. on Fridays; and 10 P.M. or 1 P.M. on Saturdays.

Manchester Notes.

The Pharmaceutical Society's organisation scheme was under discussion at a meeting of the Manchester Pharmaceutical Association at the Albion Hotel, Piccadilly, on the afternoon of January 7.

There is every prospect of the local Association's whistdrive on Wednesday, January 14, at Lyons' Popular Café, Piccadilly, being a great success, a large attendance being already promised. Presentations are to be made to Mr. Harry Kemp and Mr. G. A. Mallinson in appre-ciation of their splendid work in connection with the Insurance Act.

The first two days of the present week have been busy with most Manchester chemists in replacing their Christmas displays, which have given way to hot-water bottles, malt and oil, cod-liver oil emulsion, and cough preparations. The difficulty with most chemists is finding time to do much window-dressing owing to the large amount of dispensing.

Sheffield Notes.

Municipal doctoring is occupying the minds of the Sheffield chemists, especially in the industrial class districts. The baby consultation department has grown from 2,830 to 9,425 attendances per annum during the past five years.

Mr. Job Preston, chemist, Barker's Pool, whose firm is one of the oldest to deal in scientific instruments in Sheffield, has a very useful window show of microscopes suitable for students. He has some very strong opposition in this line a few doors away by two well-known firms. He has also a neat show of his "Royalty" per-

A joint committee of the Sheffield Health Committee and Sheffield University has taken place, and the Health

Committee has recommended that the sum of 140l. be spent on the analysis and measuring of soot deposit. The measurements are to be taken in: (1) a rural district; (2) an industrial district; (3) a residential district; (4) the centre of the city. It is hoped the results may show that Sheffield is not so black as it is painted.

Contracts.

Belper Guardians.—J. Calvert & Son, of Belper, for drugs.

Romsey Guardians.—Mr. F. Oram, Ph.C., Romsey, for surgical dressings and drugs.

Hull City Asylum.—Mr. E. H. Earle, chemist, Hull, for a six months' supply of drugs.

Stockport Guardians.—Jewsbury & Brown, for the

supply of mineral-waters at 1s. per dozen bottles.

Oakham Guardians.—Mr. F. G. Pascall, Market Place, Oakham, for chemist's goods for the ensuing year. Cumberland Infirmary (Carlisle).—Mr. J. Hallaway, Ph.C., Carlisle, for emergency drugs during the ensuing

Eastry (Kent) Guardians.—Mr. A. E. Woodruff, pharmacist, Eastry, for chemist's sundries during the next quarter.

Chorley Town Council.—Killgerm Co., Ltd., Newton, Chambers & Co., Ltd., and the United Alkali Co., Ltd., for the year's supply of disinfectants.

Stepney Borough Council.—Adcocks, for annual supplies of carbolic acid at $7\frac{3}{4}d$. per gal., carbolic powder at 2l. 9s. 11d. per ton, and sulphur candles at 15s. 6d. per gross.

Salford Town Council.—Hough, Hoseason & Co., for an annual supply of drugs, medical, surgical, and dispensary requisites and meat-extracts, foods, etc. (approximate value, 431l. 4s. 1d.); Parke, Davis & Co., a supply of serums (approximate value, 301l. 14s. 11d.).

Hull Corporation.—Mr. H. Leggott, chemist, Hull, for the supply of drugs. Smith & Nephew, Ltd., for surgical dressings. Mr. B. M. Stoakes, Ph.C., for aerated-waters. Mr. H. E. Hammond for liquid carbolic-acid (95 per cent. to 97 per cent.) and carbolic disinfecting-fluid (20 per cent.). Alpin & Co. for sublimed sulphur.

From Various Courts.

At Bootle, on December 30, Albert Winterbourne (10) was sent to an industrial school for six years for stealing a lamp, value 4s., the property of Mr. A. D. Rutter, chemist and druggist, from a cycle left outside his pharmacy in Seaforth Road, Seaforth.

At Chester Police Court on January 6, Alfred Taylor (55) was remanded on a charge of breaking the plateglass window of the pharmacy of Messrs. Milling & Johnson, chemists, Chester. The prisoner, when arrested, said he smashed the window as a "labour protest."

IRISH NEWS.

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Pharmaceutical Society of Ireland.

At the recent Preliminary examination the following passed: Morris Price, Dublin; Vincent Bernard Deegan, Athy; Alexander Robert Reid, Monaghan; Arthur James Goodall, Killybegs; Simon Weiner, Dublin; Cornelius Alphonsus Moloney, Tipperary; Helena Rose Hay, Cork; Daniel Joseph Brolly, Ballycastle. Nine candidates were rejected.

Brevities.

Sir William Whitla, M.D., L.P.S.I., unveiled a memorial panel to the late General Booth at the Salvation Army Home, Belfast, on January 5.

Mr. W. J. McElhinney, Ph.C., late manager of Dr. W. Vincent Johnston's pharmacy at Ranelagh, Dublin, has acquired new premises at Morehampton Road, Donnybrook, and is fitting them up as a Medical Hall.

A dispenser for Belfast Dispensary District will be creditors in favour of Messa appointed by the Poor-Law Guardians on January 13, at 6 Golden Square. Aberdeen.

a commencing salary of 120%. The vacancy is at the North Queen Street Dispensary, and was caused by the death of Mr. W. J. Meharry. The duties have since been temporarily discharged by Mr. S. Fleming, Ph.C.

Guardians' Doings.

At the meeting of the South Union Board of Guardians, Dublin, last week, the six pharmaceutical chemists in the service of the Board as dispensers applied for a revision of the scale of their salaries, suggesting that the maximum of 200% should be reached in ten years from date of appointment. The Board agreed that the maximum should be reached in fifteen years, instead of twenty years as previously decided.

It was mentioned at the last meeting of the Athy Board of Guardians that the cost of the dispensaries and medicines in the Union has increased very much, the cost of medicines alone going up from 50% to 100%, largely due, it was stated, to the increased duty on spirit. Mr. McLoughlen said it is a great hardship to see people getting medicine free at the dispensaries and pouring it into a drain a few minutes later.

Council Candidates.

The new candidates at the approaching Urban Council elections in Ireland include Mr. C. V. Bolton, Ph.C. (Lisburn), and Mr. T. J. White, Ph.C. (Clones). Mr. Wm. McMullan (Messrs. Thos. McMullan & Co., wholesale druggists, Belfast) has retired from the Belfast City Council. Mr. Joseph Donnelly, for many years prosecuting solicitor for the Pharmaceutical Society in Ireland, has also retired from the Belfast City Council, on his appointment to a Government office. Other nominations of interest to the trade are Mr. Houston Lancashire, Ph.C., for Ballymena Urban Council; Mr. Samuel McKinney, Ph.C., for Cookstown Urban Council; and Mr. John Sandford, registered druggist, for Portadown Urban Council. Mr. J. E. Connor, J.P., Ph.C., Newry, has been returned unopposed for Warrenpoint Urban Council. Mr. Robert Cambridge, J.P., an ex-President of the Chemists' and Druggists' Society of Ireland, has retired from Carrickfergus Urban Council, after many years' service. Mr. William F. Wells, Ph.C., 20 Upper Baggot Street, Dublin, has been nominated for the Pembroke Urban District Council. Mr. William McCarthy, Ph.C., Clontarf, has been nominated as an Alderman of the Dublin Corporation. Mr. S. P. Boyd, D.L., Dublin, who sat as Urban Councillor for Rathmines for some years, is not seeking re-election. Alderman Dr. MacWalter, Ph.C., the ingoing Alderman of the North City Ward of the Dublin Corporation, has been nominated in a large number of papers, but he is being opposed.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

There was an outbreak of fire on the premises of Mr. J. D. Greenhill, chemist and druggist, Overgate, Dundee, on the evening of December 31.

Mr. Alex. Davidson, Ph.C., Montrose, writes to state that the chemists of the town have not applied for an early closing order as reported in the C. & D. last week. We have before us a paragraph from the "Dundee Advertiser," December 25, upon which our note was based; it says they have.

Dundee has been flooded with fountain pens sent on sale or return by a London house, and chemists have been favoured (?); one of them when reposting it met the local undertaker on the same errand, who remarked, "Why shouldn't I send them a coffin on the same terms? Every man needs one, which cannot be said of the pen!"

Aberdeen and the North.

Mr. John George, chemist and druggist, 60 Urquhart Road, Aberdeen, has granted a trust deed on behalf of his creditors in favour of Messrs. James Meston & Co., C.A., 6 Golden Square. Aberdeen.

Before Hon. Sheriff-Substitute Irvine, K.C., at Aberdeen on January 3, Alexander Robertson Horne, 70 Beaconsfield Place, Aberdeen, pleaded not guilty to a charge of having, on October 22, 1912, while acting as managing partner of William Paterson & Sons, wholesale druggists, 57 and 59 Spring Garden, Aberdeen, purchased for behoof of his firm from Evans Sons Lescher & Webb, Ltd., Liverpool, 12 quarts of sandalwood oil at a cost of 361. 15s., and having on January 9, 1913, sold the 12 quarts of sandalwood oil back to Messrs. Evans Sons Lescher & Webb, Ltd., at 511. 6s. and received on January 14, 1913, a cheque for 511. 6s. in payment of the sandalwood oil. He is alleged to have cashed the cheque and not to have paid it to the account of his firm. He was further charged with a similar offence on February 1, 1913, by receiving a cheque in payment of the four 25-lb. tins of oil of lemon which he had sold back to Evans Sons Lescher & Webb, Ltd., on January 27, 1913. The trial was fixed for January 26.

Edinburgh.

Mr. J. L. Ewing, ex-Master of the Merchant Company, presided over a meeting of the Edinburgh Chamber of Commerce and Manufactures on Tuesday, December 30.

It has been decreed that the giving out of handbills or booklets on the street is from now onward illegal, the only sort of "literature" exempted being the political variety.

Since the New Year came in there has been a brisk presentation of Insurance scripts, and the signs this week are pointing to the last few days of the Insurance year showing a record.

Our German Letter.

(Special Correspondence to the "C. & D.")

A Centenary.—January 1 was the 100th anniversary of the establishment of the firm of J. D. Riedel, manufacturing chemists, Berlin-Britz. On account of the recent death of Kommerzienrat Riedel, the celebrations in connection with the centenary are postponed until March 15.

New Medicine Tariff.—Since the sick-clubs became a factor for consideration in the annual revision of the tariff of charges for medicines, apothekers have had a bad time of it. Expenses have increased, but not the prices. Signs were not wanting that for 1914 the Government intended making a slight concession at least to the well-founded complaints of apothekers, but the hopes raised have not been completely realised, because the concessions made are in the nature of a compromise. In the first place, no changes have been made in the bases for calculating the tariff charges of drugs. On the other hand, a number of minor alterations have been made: thus the lowest charge for any amount of a drug prescribed is ½d. (5 pfennigs). Hitherto those poisons and heroic drugs included in Tables B and C of the Pharmacopæia were charged at the minimum rate of ½d. (10 pf.), this extra representing the greater care to be exercised in weighing minute quantities of toxic substances. This applied to 163 official drugs in the tables, and not to others equally poisonous, but not official, in which case the minimum charge was ½d. For instance, the minimum charge for morph, hydrochlor. is 1¼d., but for morph, sulph., which is not official, it was ½d. In the new tariff a large number of toxic drugs are marked with an asterisk, and here the minimum charge of 1¼d. applies; this concession brings up the total number to 464, a by no means unimportant extra profit. In the case of salts of homatropine and physostigmine, the minimum charges for prescriptions containing either has been fixed at 1s. 3d. and 6d. respectively; this is also an innovation. On the other hand, the dispensing charges for making pastilles and tablets have been sensibly reduced. Hitherto the charge was 1¼d. cach for the first five and ½d. for each tablet beyond this number. Now up to ten cost 6d., and every further ten tablets 4d.; if more than fifty are prescribed the charge for cvery ten over the first ten 2½d. The former charge for making fifty tablets was 2s. 9d., n

is obtained by adding 100 per cent.; if the cost price is between 1s. 3d. and 3s. 60 per cent. is added, and if over 3s. $2\frac{1}{2}d$. only 50 per cent. may be added. Specialities, the cost price of which is between 1s. and 1s. 3d., are to be sold at a uniform charge of 2s., and if between 3s. and 3s. $2\frac{1}{2}d$. at 4s. 10d., unless the manufacturer has fixed a higher sale price. The changes in the actual charges in the tariff reflect the market fluctuations only. Two additions have been made: ol. menth. pip. anglicum and perugen. Aq. opii has been dropped. It cannot be said that these changes will result in any increased profits to the pharmacist, the extra takings on the raised minimum charges for a larger number of heroic drugs are more than balanced by the reduced profit on making tablets and on the sale of the dearer specialities costing over 3s. $2\frac{1}{2}d$, wholesale.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

OBITUARY.—The death is announced of M. François Dupont, a prominent analytical chemist, and formerly President of the Association of French Chemists, at the

age of sixty-five years.

Proposed Drug Exchange.—A proposal has been submitted to the Paris Association of Wholesale Druggists by one of its members to the effect that the creation of a Drug Exchange (Bourse de la Droguerie) in Paris is desirable and feasible. The subject was mentioned at a recent meeting, and the chairman remarked that thirty or forty years ago an attempt was made to realise the idea, but it was a failure. Paris does not appear to possess the elements necessary to institute and maintain such an establishment.

SPANISH TRADE.—The December issue of the Bulletin of the French Government Office of Export Trade devotes a paragraph to the Spanish market for pharmaceuticals. France heads the list of exporters in this line, but it is suggested that trade might be further extended by advertising in Spanish periodicals, and by the distribution of price-lists printed in Spanish. Barcelona is the principal centre of the trade, but some important houses are in Madrid. A list of these firms can be obtained from

the Office on application.

THE PASSING OF PASCAL.—Curiosity in regard to the last illnesses of famous personages long dead has of recent years been acute. The celebrated Pascal is the latest to come under the retrospective stethoscope. When Vallant, "the little Montpellier doctor," found his patient was not progressing, he called in Guénaut, the great doctor of the epoch, so mercilessly satirised by Boileau, for it was a canon in those days of Louis XIV. that a man of quality could not decently be ill without calling in this shining light of the Faculty. He diagnosed and prescribed in the good old fashion so wittily immortalised by Molière. "Monsieur [Pascal] is to be bled in both arms and then purged with senna and cream of tartar every morning for six days. After that, bled in the foot, and purged again four or six times. Finally, he is to take vitriolised waters, those of Saint-Myon by preference." Saint-Myon waters were taken for certain. digestive disorders, and Pascal complained of pains in that region and giddiness. Either the treatment did not produce the desired effect, or Guénaut was loth to take the responsibility of the case, for he called in Homets, father-in-law of Guy Patin's son, Brayer, Monginot, and a sor of Theophraste Renaudot, doctor like his celebrated sire, the father of French journalism. Opinions were divided between the merits of mercury and senna, but finally, the trio agreed on a dose of "three drachms of senna and an ounce of tamarind, infused in a chopin [about a pint] of chicory in which 2 oz. of sugar had been dissolved." This was temporarily effectual, but the suffering recommenced. As a last resource Vallot was consulted, and ordered wine and emetic powder, but no great result was obtained, and the treatment was soon discontinued. It was on this prescription of an emetic that the legend of Pascal being poisoned seems to be exclusively based. There is no reason to suppose that he did not suffer from an intestinal disorder, but in the light of modern medicine it is doubtful if he died of that; the treatment was enough to wear out the life of any man.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

PHARMACEUTICAL DEFENCE, LTD.—The first annual meeting of this Association was held at the Melbourne College of Pharmacy on November 18. The annual report stated that the membership stands at 394—viz., Victoria 266, New South Wales 78, South Australia 23, and Western Australia 27. The receipts for the year were 9521. 13s. 8d., and the expenses 5071. The revenue includes insurance premiums, as the P.D.L. acts as agent for various insurances. National Insurance was discussed at the meeting.

Inter-State Reciprocity.—A Conference of representatives of the Pharmacy Boards of Australia was held in Melbourne on November 12, to consider the altered position which has arisen in consequence of a written opinion of the Crown Solicitor advising the Victoria Pharmacy Board that it can only issue certificates of competency for registration purposes to examined men. This affects the present agreements with New South Wales, South Australia, and Western Australia, and makes reciprocity possible with Tasmania. After a long debate the Conference was adjourned, pending further negotiations.

NATIONAL HEALTH INSURANCE.—A conference of pharmacists of every State of the Commonwealth was held on November 11, 12, and 13 at Melbourne to consider the answers to the questions on National Health Insurance sent out by the Commonwealth Statistician. F. Buckhurst presided. The proceedings were private. A Federal National Insurance Committee was appointed, consisting of a delegate from each of the six States, with Mr. F. Buckhurst (President) and Mr. C. L. Butchers (Scoretary). The delegates elected to this Committee are Mr. F. P. J. Gray (New South Wales), Mr. J. W. Case (Queensland), Mr. W. H. Porter (South Australia), Mr. M. Rushton (Tasmania), Mr. E. W. Mayhew (Western Australia), and Mr. A. R. Bailey (Victoria). An executive committee of residents in Victoria was also arranged. On the morning of November 12 the members attended a lecture on National Insurance by Mr. Gerald Lightfoot, of the Commonwealth Census Bureau. In the afternoon provisional replies were drafted to the questions submitted by the Commonwealth Statistician, and it was arranged that each State should furnish a supplementary report on local conditions. It was also resolved that pharmacists should have direct representation on all Insurance Committees. In the evening the members had a conference with the representatives of the Victorian Branch of the British Medical Association. Next day it was decided that no provision of medical benefit is meeded in Australia, on account of the equal distribution of wealth, the ease with which medical benefit is already obtainable, and because the cost of the machinery for administration would be out of all proportion to the benefits obtained.

Queensland.

PHARMACY BOARD.—Unusual interest was being taken in the Pharmacy Board election which was to take place on December 20. For the seven positions on the board there were fourteen nominations. Among those to be nominated for the first time was Mr. R. C. Cowley, Director of the College of Pharmacy.

Victoria.

COLLEGE OF PHARMACY.—The students' and examination fees amount to only 9s. 6d. in the £ of the expenditure on the Melbourne College of Pharmacy. Contributions of the Pharmaceutical Society and the Government complete the amount.

REGISTRATION OF OPTICIANS BILL.—The second reading in the Legislative Assembly came on on November 20, when the Chief Secretary vigorously defended the Bill. He said it is better to provide competent opticians than to leave people to go to a shop and nick out the glasses which

they think suit them best. No deputation that had ever waited on him had put forward a weaker case than the medical deputation who opposed the Bill.

Western Australia.

PROPRIETARY MEDICINES' RECULATIONS.—The statement was made by the Health Minister in the Legislative Assembly that in spite of the vote of the Legislative Council the proprietary medicines regulations are still in force.—The disallowance of the regulations has led to the passing of an Interpretation Act Amendment Act, which gives either House of Parliament power to disallow any regulation within thirty days after it has been laid before Parliament.

INDIA AND THE EAST.

(Frem the "C. & D." Correspondents.)

Mr. A. F. Stronach, of the English Pharmacy, Rangoon, and formerly of Glasgow, has joined the representative staff of Messrs. F. Stearns & Co. to travel in the Bengal Presidency, Burmah, and the Straits Settlements.

Cocaine in Bencal.—From the Bengal administration report just issued it appears that 748 persons were convicted in 1912 of illicit possession and sale of cocaine, and that in Calcutta alone 5,438 oz. was seized. Severe sentences were imposed, but the maximum punishment provided for in the present Act is not deemed sufficient, and a Bill to amend the Bengal Excise Act is under the consideration of the Government of India. It is also anticipated that sanction will shortly be accorded to the reorganisation of the Excise Department and strengthening it in every, district.

ALLECED SNAKE-BITE CURE.—The offer of reward by the Indian Government for a successful treatment for snake-bite has tempted "Professor" Fox, who is better known in Sydney as "The Snake King," to undertake a journey to India. He is credited with possessing a secret antidote for the bite of a cobra, and believes that his experiments in Ceylon and India will be more successful, as the venom of the cobra is not so deadly as that of the tiger snake. The expenses of the trip are being borne by a few Sydney business men who seem to have confidence in the antidote. The "Madras Mail" reports that the "Professor" has arrived in Kuala Lumpur.

Consulting Doctor and Chemist.—Mr. N. Takamatsu, an Osaka chemist, recently opened a consultation-room at his pharmacy in co-operation with Dr. Y. Sasaki, this being the first of its kind in Japan. The fees for the prescription and consultation were much lower than those of the usual medical practitioners. Consequently the physicians of Osaka were incensed at the pharmacist and Dr. Y. Sasaki. They informed the police that the regulations of the Mcdical Practitioners' Association were being infringed and that they were suffering monetary loss. One morning a policeman arrested the doctor. Dr. Sasaki, however, would not agree to discontinue his consultations at low fees, he characterising the physicians as being greedy and selfish. The Osaka chemists are anxious to know how the affair will end.

Proprietary-medicine Regulations.—The new Bill for revising the regulations concerning proprietary medicines, now in the hands of the Central Hygienic Committee, has created dissension between medical men and pharmacists in Japan. The Bill provides that proprietary medicines shall only be prepared by registered chemists, and dangerous and poisonous drugs shall only enter into their composition when the maximum dose is not exceeded. The medical men have prevailed upon the Committee to withdraw the B.ll. but chemists protested and sent representatives to Tokiō on their behalf. The pharmaceutical Press of Japan also met on December 13 and passed a resolution against the Committee's action, and petitioned the Minister of the Interior to again put forward the Bill. It will be brought before the Imperial Diet this session, but owing to the number of physicians on the Committee of the Diet, the pharmacists' protest seems hopeless.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

The Union.

AMERICAN EXPORTS .- The "New York Commercial," in its issue of December 27, has a paragraph from its Washington correspondent showing that America heads the list of foreign countries exporting to the Union of South Africa. The paragraph states:

"American manufacturers have established markets for American manufacturers have established markets for their exports in the Union of South Africa, long considered the exclusive province of foreign traders. According to the Department of Commerce, the volume of American imports there has caused a note of warning to be sounded throughout the United Kingdom against American aggressiveness in South Africa. For the first time in more than five years the United States, in 1912, outranked all other foreign countries in imports into South Africa. American imports increased there in spite of the fact that there is a fortnightly service of German passenger and freight steamers between Hamburg and South African ports, that there are large investment of German capital in the industries of the counand that German manufacturers send out numerous travellers in an attempt to secure a larger share of business. The above may be read in conjunction with the article we published last week on "Exporting to South Africa."

Orange Free State.

MEDICAL AND PHARMACY COUNCIL.—The monthly meeting was held at Bloemfontein on December 12. The following members were present: The President (Dr. A. B. Ward), Drs. S. M. de Kock, S. G. Friedmann, W. Johnson, J. C. Pretorius, and D. M. Tomory, Mr. E. Whiteside (dental representative), and Mr. S. S. Hewitt (pharmaceutical representative). The Council received for information the report of the Executive Committee to the effect that the tender of the "Argus P. and P. Co." to print 130 copies of the Register for 1914, to contain 120 pages, for 40t. 10s. had been accepted. It was resolved, on the motion of the President, seconded by Dr. de Kock, that the following names be omitted from the next issue of the Register owing to the failure of the persons mentioned to send replies within six months to registered letters addressed to them:

Medical Practitioners.-Hugh Graham Anderson, John Stanley Avery, Evan Bidie, James Burke, James Fenton,

Stanley Avery, Evan Bidie, James Burke, James Fenton, William Humphreys Jamison, John Richard Leech, Allen McCulloch, Norman Ceeil Rutherford, Ernest Finlay Scott, and Ernest Godfrey Wheat.

Dentist and Chemist and Druggist.—Harry Glover.

Chemists and Druggists.—John George, Charles Fullerton Hardie, Frederic William Hockin, James Cameron Hutcheson, James Henry Nimmo, Vaughan Rycroft Raywood, Arthur William Ventham, Alfred James Watts, and Harry Gilbert Wicks Gilbert Wicks.

Transvaal.

SHOP HOURS ACT.—The new Act, which was announced to come into force on April 1, 1914, came into force on January 1.

LECTURE.—The Pharmaceutical Society hope to be able to announce a lecture by Mr. Brown, Ph.C., late of "Duncan's," Edinburgh, on "Modern Theories of Solution Action Actio tion Applied to Dispensing.

Legal.-Mr. Rainier, sole trustee in the insolvent estate of Herman Nathanson, chemist, Johannesburg, has advertised for tenders for the stock, exclusive of fixtures.

MEDICAL COUNCIL ELECTION.—The following six candidates secured seats: Drs. Davies, Thomson, and Van Niekerk, Johannesburg; Dr. Dixon, Potchefstroom; Dr. Kay, Pretoria; and Dr. Maxwell, Ermelo.

Two NEW PHARMACIES are to be opened in the Fordsburg district of Johannesburg. Mr. Ball is opening the Railway Pharmacy, and Messrs. Sutherland & Levitt commence business in one of the smaller streets.

CHARGE AGAINST A CHEMIST.—Mr. W. H. Nicholls, chemist, Jeppestown, Johannesburg, who, as noted in previous issues of the C. & D., has been charged with

procuring abortion, was committed for trial on December 11, bail being fixed at 1,000%.

PHARMACY BOARD ELECTION.—The result of the recent. election was as follows, the voting being very close: Mr. B. Owen Jones, 117; Mr. Alex. Rennie, 96; Mr. John Christie, 95; Mr. R. Butters, 94. The first three were duly elected members for the next three years.

TRADE-MARKS .- The following applications are an-

nounced in the "Gazette":

"Dors"; for a cure for headache, neuralgia, toothache, and all nerve pains for human use. By John Christie, chemist, Fordsburg.

"MENTHOLATUM"; for salve for external application. By Mentholatum Co., Buffalo, U.S.A.

TUBERCULIN (BOVINE) AND MALLEIN.—Recent troubleover the sales of these has been experienced in Johannesburg, and chemists throughout the Union are warned that a permit from the Department of Agriculture is required before they can be imported, and that they can only be supplied to registered medical practitioners and a record of all sales kept. (See also C. & D., 1913, II., 906.)

THE HANNAH CASE.—Mr. Thomas Hannah, Amerspoort, intends to petition the Union Parliament in regard to his grievances. The petition will embody the whole circumstances of his case. Mr. Hannah claims that he has two distinct grievances: (1) that he has been convicted and vindictively sentenced without proof, and (2) that the Courts have misinterpreted Section 39 of Ordinance 29, 1904, of the Transvaal.

DEFENCE FORCE AND DISPENSERS.—An interesting Government notice gives the regulations for medical services and the personnel of the various field ambulances, clearing, stationary, and general hospitals, ambulance trains, and depôts of medical stores. Compounders rank as staff sergeants, and in addition to their ordinary pay may draw, during training or active service, a special duty allowance of 2s. a day and a medical staff allowance of the same amount. A mounted brigade field ambulance, accommodating fifty patients, employs one dispenser; a dismounted brigade, one; a field ambulance accommodation ing 150, two; a clearing hospital (200 sick), two; a stationary hospital (200 beds), two; and a general hospital (520 beds), two; an ambulance train (100 sick), one; and medical store depôt, one dispenser. The number of dispensers for a general hospital for active service in South Africa corporers to be too law, those of least being South Africa appears to be too low, three at least being required.

POISONING FATALITIES.

Seven deaths consequent upon the effects of taking poison have been recorded during the week.

Disinfectant.-Lydia Osborn died in Sheffield Infirmary from the effects of taking a poisonous disinfectant.

Laudanum.—Thos. Longworth (65) died at Bolton from an overdose of this opiate.

Opium was responsible for the death by misadventure of Dr. E. Quigley, of Sunderland.

Oxalic Acid.-Mabel Blanche Vaughan (30), railway fireman's wife, committed suicide at Abergavenny with thispoison.

Salt of Lemon.—Elsie Marjory Moore (50), domestic servant, Blackpool, poisoned herself with this chemical.

Veronal.—Alice Peck (married), Hull, died from an over-dose of veronal. It appeared that deceased obtained the drug from a chemist, saying it was for a woman of eighty-three, who was unable to sleep. She was warned as to the danger attending its administration.

Kind not Stated.—John Isaac Solomons (54), fishmonger, Bow, ended his life by taking poison.

THE SURGEON'S HANDS can be protected against germs by smearing them with soft paraffin medicated with boric acid, after the hands have been serubbed, rinsed in alcohol, and dried.

LIST OF CONGRESSES .- The "Morning Post" publishes a list of congresses.—The Morning Post publishes a list of congresses of learned societies and other bodies during 1914. This is printed on a thin card of the size of a page of the newspaper referred to. The congresses are classified, the British Pharmaceutical Conference being placed under "Medical."

LEGAL REPORTS.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London,

"LAVONA" TRADE-MARK.

In the Court of Session, Edinburgh, on January 6, before Lord Anderson, the relevancy of the action by Tokalon, Ltd., 212 and 214 Great Portland Street, London, W., against Davidson & Co., chemists, 19 Barclay Place, Edinburgh, and carrying on business there ander the trade name of the Kar Manufacturing Co., was discussed. The complainants seek to prohibit the respondents or their agents from in any way infringing their trade-marks "Lavona" or "Lovona," and in particular from using the name "Lavroma." The respondents explain that they have used the word "Lavroma" in connection with a preparation for shampooing since March 1912, and they deny that anyone could be deceived by any fancied resemblance to the complainers'

registered words, Counsel for the complainers said his Lordship had to satisfy himself whether the word "Lavroma" is similar in appearance, spelling, and pronunciation to the complainers' trade-marks. They did not need to prove whether anyone has been deceived. He submitted that there is such a resemblance between the words that an

incautious purchaser is likely to be deceived.

Counsel for the respondents stated that their word is simply two Latin words, Lavo and Roma, the "o" in the middle being dispensed with. The respondents called their preparation "Kar's Lavroma Shampoo."

Lord Anderson: That would not have saved you if you had used the word "Lavona."

Counsel replied probably not, and said the respondents' price is 2d., while the complainers' is 2s. 11d. He did not think it would be easy to convince a Scotsman that he is getting the same thing for 2s. 11d. that he once got for 2d. In addition, the complainers' pre-paration is a powder, while the other side's is a liquid. The date on which they began to put Layroma on the market showed they could have had no desire to cap-ture the complainers' business, because they were not doing any business which came into competition with them Lord Anderson reserved judgment.

Sale of Food and Drugs Acts.

SAFFRON.

At Old Street Police Court on January 1, Seymour Selinsky, 278 Amhurst Road, Stoke Newington, London, N., was fined 20s., with 23s. costs, for selling saffron adulterated with borax, nitre, and barytes to the extent of 33 per cent.

SWEET SPIRIT OF NITRE.

At the Birkenhead Police Court on January 1, Mr. Peter Grant, chemist and druggist, 296 Old Chester Road, Birkenhead, was summoned under Section 6 of the 1875 Act for selling sweet spirit of nitre deficient in ethyl Smith, assistant solicitor to the Corporation, prosecuted; and Mr. W. Rudd, solicitor, acting under instructions of Messrs. Neve, Beck & Kirby, solicitors to the Chemists' Defence Association, defended.

Mr. Smith recited the facts of the case, which were that on November 18 Inspector S. H. Moore purchased at Mr. Grant's shop 4 oz. of the spirit, which was emptied in a bottle exactly as obtained by Mr. Grant from the manufacturers, the parchment over the stopper not having been removed. The Corporation analyst (Mr. Herbert E Davies) certified that the spirit was deficient in ethyl nitrite to the extent of 32 per cent. of the minimum allowed by the British Pharmacopæia.

The inspector corroborated this statement. Replying to Mr. Rudd, he said the bottle was produced from the back of the shop, and was apparently properly stored. The parchment and glutinous substance over the cork was intact. In reply to Mr. Rudd, witness said the bottle received from Mr. Grant was only filled up to the

shoulder.

Replying to Mr. L. D. Dodds (one of the Magistrates). Mr. Rudd said he had a letter from the manufacturers, who were not represented on that occasion, but he had no doubt that they would be fully prepared to answer for the sweet spirit of nitre.

Mr. H. E. Davies, B.Sc., F.I.C., said there was 1.20 per

cent. of ethyl nitrite in the sample.

Mr. Rudd, for the defendant, stated that the spirit was purchased from a firm of standing, and it was kept in a dark cupboard behind the shop in accordance with their instructions. A communication from the firm concerned was handed to the magistrates.

Defendant, in evidence, said he received a warranty with the invoice, and the bottle was in the same condition as it was when received. Replying to Mr. Smith, witness said that a certain air space was always left in the bottle. Had the bottle been full it might have burst. Previously it had been the custom to buy in bulk and keep it in a large bottle, but he now bought the drug in small bottles.

On account of the warranty produced and proved, the Magistrates dismissed the summons.

(See also p. 60.)

LIMITED COMPANIES.

New Companies Registerea.

P.C. means Private Company and R.O. Registered Office.

DERWENT SULPHATE SYNDICATE, LTD. (P.C.).—Capital 2501. Objects: To carry on the business of manufacturers of chemicals, etc. R.O., 13 St. Helen's Place, London, E.C.

Sanoglobin Co., Ltd. (P.C.).—Capital 5001., in 11. shares. Objects: To carry on the business of manufacturing chemists, food specialists, etc. The first directors are F. Walser and E. Kilpin. R.O., 115 Clerkenwell Road, London, E.C.

Melcasma Foods, Ltd. (P.C.).—Capital 5,000l. Objects: To take over the business of manufacturers and retailers of the food known as "Melcasma" carried on by S. Willby and G. J. Talbutt at 33 Park Road, East Twickenham.

Orbito Optical Co., Ltd. (P.C.).—Capital 3,000l. Objects: To carry on the business of opticians, manufacturers of and dealers in optical, surgical, and photographic requisites, artificial eyes and limbs, and field and opera glasses, etc. The first directors are J. Fawcett, Harborne, and A. J. Harrison, Acocks Green.

J. T. SAWYER & Co., LTD. (P.C.).—Capital 5,000l., in 1l. shares. Objects: To take over the business of a maker of wood and cardboard plain and fancy boxes and leather-board boxes carried on by E. Sawyer at 35-7 Granby Row, Manchester, as "J. T. Sawyer & Co." E. Sawyer, W. Tynan, and D. S. Green are the first directors.

ASPINALL & SYKES, LTD. (P.C.).—Capital 1,000l., in 1l. shares. Objects: To acquire the tenancy of the shop and premises No. 188 Lord Street, Fleetwood, to carry on the business of chemists and druggists, opticians, perfumers, drysalters, oil and colour men, etc. The first directors are H. Aspinall (chairman and governing director) and B. Sykes Sykes.

Company News.

Non-Inflammable Comb, Ltd.—Mr. J. Forbes, 10a Golders Way, Golders Green, N.W., was appointed receiver and manager on December 19.

HULL CHEMICAL Co., LTD.—To be voluntarily wound-up. Liquidator, Mr. W. P. Vickerman, 9 Parliament Street, Hull. Meeting of creditors at above address on January 17 at noon.

THE UNITED ALKALI CO., LTD., announce that Mr. John Brock has resigned his position as chairman and director, and Mr. Max Muspratt, who was vice-chairman, has been elected to the chairmanship. Mr. Eustace Carey also has resigned his position as secretary, and Mr. Edward Mount, hitherto assistant secretary, has been appointed in his place.

SOAP IN CHINA.—In reference to the telegram sent by Reuter announcing the formation of a British combine for Reuter announcing the formation of a British combine for the manufacture of soap in China (see C. & D., January 3, p. 45), we received a telegram from our Northwich correspondent, too late for the issue, stating that he had interviewed Mr. Roscoe Brunner, managing director of Messrs. Brunner, Mond & Co., Ltd., who gave an emphatic and unqualified denial to the above report. Messrs. Brunner, Mond & Co., Ltd., bold controlling interests in the Crosfield Mond & Co., Ltd., hold controlling interests in the Crosfield and Gossage soap companies, and Mr. Brunner asserted

that no such proposal or combination in conjunction with Lever Bros., Ltd., has ever been discussed, nor is there any possibility of such a combine. "I do not suppose," said Mr. Brunner, "there are thirty-five millions of capital in the soap-trade. Shanghai is known in the East as the City of Lies, and all the stupid stories of the East come therefrom, but this is incredibly stupid. There has been some talk of building soap-works in China, but nothing has been decided upon." decided upon.

decided upon."

Dollows, Ltd.—The creditors of this company, trading as chemists and druggists at 260 Pentonville Road, London, N., met at 6 Broad Street Place, London, E.C., on December 31, Mr. W. A. J. Ling, liquidator, presiding. An approximate statement of affairs was presented showing liabilities to unsecured trade creditors 635l. 1s. 6d., and assets comprising stock at cost 208l. 18s. 4d., book debts 4l. 3s. 2d., and fixtures and fittings at cost 254l. 10s., estimated to produce 150l., making 363l. 1s. 6d., from which had to be deducted preferential creditors 185l. 5s. 6d., leaving net assets 177l. 16s., or a deficiency of 457l. 5s. 6d. The company was registered in April 1913 with a capital of 1,000l. (see C. & D., 1913, I., 674). From the start there had been a continual loss, for the total expenses had been something like 16l. a week. A long discussion ensued at the meeting, in which strong expressions of opinion were indulged in with regard to the trading and the reekless way in which the business had been conducted, one creditor remarkwhich the business had been conducted, one creditor remarkthe distribution of the detriment of creditors. It was stated by the liquidator that the amounts set down for preferential claims included a sum of 64t. claimed by Mr. P. Dollow and 43t. claimed by Mr. R. Pearlman, both these amounts being in respect of salary. The business formerly belonged to Mr. Dollow, and Mr. Poorlman, who have always they are distributed by Mr. Boulman, when the subscribers and directors. of salary. The business formerly belonged to Mr. Dollow, and he and Mr. Pearlman were the subscribers and directors. Replying to Mr. Sunderland, representing various creditors, Mr. Dollow said that he thought he was entitled to claim for remuneration. Various creditors asked Mr. Dollow whether he would withdraw his claim, and he replied that he was absolutely penniless, and that he had worked hard at the business, and he thought therefore that he was entitled to the money which he now claimed. A gentleman in the room said Mr. Dollow was inferested in a shop in Middlesex Street, E., and his wife had a shop in Sydney Street. Mr. Dollow repudiated all knowledge of these matters. In the result it was resolved that the voluntary liquidation should be continued, provided Mr. Dollow and Mr. Pearlman withdrew their claims. A committee of inspection was also appointed to confer with the liquidator in regard to the realisation of the estate. The following are creditors: Breidenbach & Co. (5t.); Bourne, Johnson & Latimer (21t.); Bristowe & Co., Ltd. (4t.); Bidwell, Bidwell & Co. (9t.); E. Cook & Co., Ltd. (4t.); Bidwell, Bidwell & Co. (9t.); E. Cook & Co., Ltd. (10t.); John Cohen (6t.); T. Guest & Co. (15t.); Hewlett & Co., Ltd. (22t.); Hodgkinson, Prestons & King (33t.); F. Newbery & Sons, Ltd. (23t.); Odol Chemical Works (5t.); Parke, Davis & Co. (11t.); Eugène Rimmel, Ltd. (30t.); Solport Bros. (10t.); Schutz & Co. (9t.); F. Calvert & Co. (6t.); W. B. Cartwright, Ltd. (18t.); English Brush Manufacturing Co. (17t.); Van Essen & Co. (6t.); Caney & Briggs (8t.); T. Christy & Co. (9t.); F. Calvert & Co. (6t.); H. Mills (177t.); McClinton, Ltd. (16t.); Ogston & Tennant, Ltd. (11t.); Prices, Ltd. (29t.); H. C. Quelch & Co. (15t.); Spurway & Co. (22t.); Suttley & Silverlock, Ltd. (7t.); Turner & Co., Ltd. (8t.); Ridge's Food Co. (5t.). and he and Mr. Pearlman were the subscribers and directors.

GAZETTE.

Partnerships Dissolved.

BACKHOUSE, H. N., and PATEY, W. J., New Bond Street, London, W.; chemists and druggists, under the style of London, W., o Roberts & Co.

BARTON, G. H., and PANK, H. W., Market Rasen, physicians and surgeons, under the style of Barton & Pank.

MAGUIRE, J. G., and BELLAMY, G. E., Fulwood, Kew Gardens, Surrey, and Blandford, Mortlake Road, Kew Gardens, medical practitioners, under the style of Drs. Maguire & Bellamy.

Martin, A. H., and Harthan, G. E., Evesham, surgeons, under the style of Martin & Harthan

Percival, Ethel M., and Willcocks, E. W., High Street, Walthamstow, and The Broadway, Ludgate Hill, London, chemists and druggists, cycle and athletic outfitters, and dealers in fancy goods, under the style of Pereival & Co.

BIRTHS.

Authenticated notices are inserted without charge.

CHARD.—At 26 Westgate Street, Ipswich, on January 1, the wife of Harold Chard, pharmacist, of a son.

Doig.—At Hillside, East Newport, Fife, on January 2. the wife of William Doig, jun., chemist and druggist, of a daughter.

MARRIAGES.

Authenticated notices are inserted without charge.

CHISHOLM—ALEXANDER.—At the Parish Church, Chesterfield, on December 30, by the Rev. B. W. Truman, Percy Samuel Chisholm, Chesterfield, to Hilda Mary Alexander, third daughter of Mr. Thomas Alexander, of Alexander's Ido-zol Drug and Dental Co., Soresby Street, Chesterfield.

POTTER—HUTCHENS.—At the United Methodist Free Church, Holt (Norfolk), on December 27, R. Perey Potter, chemist and druggist, to Evelyn May, younger daughter of Mr. F. Hutchens, of Holt.

SIMNETT-HAWKINS .- At the Congregational Chapel, Beckenham, Kent, on January 1, by the Rev. J. G. Stevenson, Spencer Riley Simnett, pharmacist, Windsor, eldest son of Mr. T. Simnett, pharmacist, Islington, London, N. to Winifred, third daughter of Mr. W. Hawkins, Becken-

STOREY—BARRY.—At All Souls', Langham Place, London, W., on January 2, by the Rev. Prebendary Webster, Edward Henry Storey, Ph.C., 20 Killieser Avenue, Streatham Hill, and 42 Castle Street East, W., to Maud Louisa, daughter of Mr. W. G. Batty, Brighton.

DEATHS.

Authenticated notices are inserted without charge.

Bucher, Ph.C., Boscawen Street, Truro, aged fifty-seven. Mr. Bucher, who was a man of fine physique and had hitherto enjoyed splendid health, broke a blood-vessel as he was getting out of bed the day previous to his death. Mr. Bucher commenced business in Boscawen Street about thirty-three years ago. He had a specialised knowledge of cattle-medicines.

Channing.—At Exeter, on January 2, Mr. Henry Thomas Channing, representative for Messrs. Evans, Gadd & Co., wholesale druggists, aged fifty-five. Mr. Channing, who had been in the service of the firm for over thirty years, collapsed suddenly after returning from over thirty years, conapsed suddenly after returning from a round in the country. Death was caused by heart failure, due to a fatty heart. Mr. Channing leaves a widow and a son and daughter. At the funeral, which took place on Tuesday, Messrs. H. Wippell Gadd and W. J. Wippell (directors), Messrs. S. C. Gadd, W. L. Wippell, Winsley, Hooper, Riveron, Cornish, Maunder, Edwards, Keeping, Gater, Tucker (2), Sayer, Smith, Suppose Besley Clements, and Esworthy represented Symes, Besley, Clements, and Esworthy represented Messrs. Evans, Gadd & Co., Ltd. The employés acting as bearers were Messrs. Cann, Reddaway, Sereombe, Yeo, Pring, and Lee. Wreaths were sent from the directors of Messrs. Evans, Gadd & Co., Ltd., and from the employés.

Gamlen.-At Newent, Torquay, on December 29, 1913, suddenly, Martha Aliee, widow of late T. Hornsey Gamlen, and mother of P. H. Gamlen, chemist, West Hartlepool.

Gibson.—At Juniper Green, Edinburgh, on January 1, after a lingering illness, Professor John Gibson, Ph.D., F.I.C., F.C.S., etc., of the Heriot-Watt College, Edinburgh, aged fifty eight. Professor Gibson was a native of Edinburgh, and was educated at the Edinburgh Academy. He studied chemistry under Bunsen at Heidelberg, graduating there as Doctor of Philosophy. He continued his studies at the Edinburgh University, gaining the Hope-

prize, and in 1879 was appointed an assistant to Professor Crum Brown, a position which he vacated in 1392 (Dr. Crum Brown, a position which he vacated in 1892 (Dr. Leonard Dobbin succeeding him as principal assistant) on being appointed Professor of Chemistry in the Heriot-Watt College. In 1894 he was appointed a member of the Pharmaceutical Board of Examiners for Scotland, and served two terms as chemistry examiner. In 1895 he delivered the inaugural address to the North British Branch of the Pharmaceutical Society, his subject being "Education and Examination in Experimental Science" "Education and Examination in Experimental Science, and especially in Chemistry." He was a distinguished chemist, and learned in the German language and literature. He contributed papers to the Chemical Society and the Royal Society of Edinburgh, and did some of the chemical work arising from the Challenger Expedition. Our Edinburgh correspondent writes: "Professor Gibson took a great interest in the work of the North British Branch, and was extremely helpful to the Board in his advice upon all matters relating to the carrying out of the examinations. He took part in the leading discus-sions among the members of the Board, and made many very practical suggestions. He also displayed great interest in the candidates who came up for examination. He was married to a daughter of the late Professor Dittmar, Glasgow.

LANCASTER.-At 46 Park Road, Southend-on-Sea, on December 24, Mr. John Bulgin Snow Lancaster, chemist and druggist, formerly of Portsmouth and Woking, aged sixty-seven. Mr. Lancaster passed the Modified examination in 1869. He was a prominent Freemason, being a founder of the Bisley Lodge at Woking, of which he was a Past Master and for many years Secretary. He was also a Past Master and Secretary of the Galen Lodge, and had

held provincial offices.

McCLINTON.—At Belfast, on January 4, Mr. John McClinton, aged ninety-eight. Deceased was one of the founders of the firm of McClinton & Thompson, soap manufacturers, Academy Street, Belfast, whose rights, including that of Barilla soap, were acquired some time

ago by Messrs. Brown, of Donaghmore.

MITCHELL.—At Philadelphia, U.S.A., on January 4, Dr. Silas Weir Mitchell, F.R.S., aged eighty-four. Dr. Mitchell, who was a native of Philadelphia, achieved worldwide fame by introducing the "rest-cure" system of treatment for neurasthenia. He was the author of several medical works on the nervous system and blood, and was also a novelist and poet of considerable distinction, the eighteen volumes of his publications covering a wide range of subjects. The most notable is probably "Hugh Wynne, Free Quaker," which presented human nature in his native town at the time of the Revolution. His drama in verse, "The Masque," was presented on the stage by the late Mr. Wilson Barrett. Dr. Weir Mitchell was a Fellow of the Royal Society and a member of the British Medical Association. He was also an honorary LL.D. of Harvard, Edinburgh, and Princetown Universities and twice President of the Philadelphia College of Physicians.

Stephenson.—On January 3, after a week's illness, Mr. Robert Stephenson, chemist and druggist, 84 Barkerend Road, Bradford, Yorks, aged sixty-three. Mr. Stephen-son was a native of Market Weighton. He was apprenticed at York and passed the Minor in 1874. He was widely known in Yorkshire as a specialist in canine diseases. During the thirty-seven years he was in business at Barkerend Road Mr. Stephenson was known as a hard worker, who had not had a holiday for the last thirty-five years. He leaves a widow, two sons, and a daughter. One of his sons, Mr. R. H. Stephenson, passed the Minor last October, and it is expected that he will continue the business.

OPIUM IN JAVA.—It is well known that the consumption of opium in Java is a Dutch Government monopoly, that for smoking purposes being manufactured at Batavia. The smokers are Chinese, of whom there are about 300,000 on the island. Considering the lead that Holland has taken in The Hague Opium Convention, could not the Dutch Government be induced to renounce its profits on and cease manufacturing making conjum? manufacturing smoking-opium?

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

Mr. H. Wippell Gadd, F.C.S., barrister-at-law, has been appointed a churchwarden for the parish of St.

Mary Major, Exeter.

The Right Hon. Sir H. E. Roscoe, F.R.S., completed his eighty-first year on January 7. The "Morning Post" of that date published a long interview with him.

A CHAT with Miss Ethel Gayton, chemist and druggist, provides a page on "Chemistry for Women" in the last issue of "Mary Bull." By "chemistry" the writer means dispensing and the drug-trade.

Mr. Frederic William Gamble, Ph.C., manager of Messrs. Allen & Hanburys' West end Pharmacy, 7 Vere

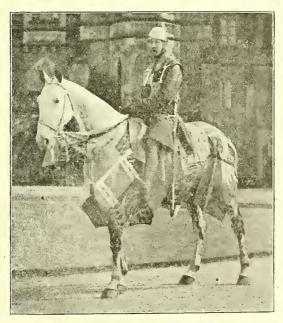
Street, London, W., has joined the board of directors of Allen & Hanburys, Ltd. Mr. Gamble has been associated with the business since January 1895. It is just twenty years since he passed the Minor examination, and he followed that with the Major in July 1894, and took the Pharmaceutical Society's bronze medal in the competition for annual pharmaceutical chemists. He has contributed well



MR. F. W. GAMBLE,

to pharmaceutical literature, has been a member of the Board of Examiners of England and Wales for six years, is one of Bloomsbury's personæ gratæ and a capable pharmacist and business man. He took an active interest in the Chemists' Assistants' Association, and was its president for two years, and now serves on the British
Pharmaceutical Conference Executive. He will con-Pharmaceutical Conference Executive. tinue the management of the Vere Street Pharmacy.

COUNCILLOR W. BRIGGS, Mayor of Lancaster, is very popular, and gave a ball in the Town Hall, on Monday night, January 5, to over 500 people (chemists amongst them), and on Wednesday evening about 600 juveniles



were invited to a fancy-dress ball. Mr. Briggs is thus following the example of Mr. E. Cardwell, another retired chemist and a former mayor. The photograph of Mr. Briggs as a knight in armour is by his successor in business.

Mr. J. W. Cooper, chemist, Durban, is visiting the Old Country at present, and has made good use of his time by taking the F.B.O.A. diploma. Mr. Cooper is a Welshman, and had Australian experience before going to South Africa at the end of the Boer War. He sails for Durban on January 24.

Major R. J. Blackham, R.A.M.C., Ph.C., honorary surgeon to the Vicercy of India, who is the Assistant Commissioner of the St. John Ambulance Brigade in India, was, "The Lancet" states, the recipient recently of an address of congratulation from the Bombay, Corps of the brigade on his being created C.I.E. by the King. The address was enclosed in a beautiful and valuable silver

MR. ROBERT JAMES SHANNON, pharmacist, who for twenty-seven years has been on the staff of Messrs. S. Maw, Son & Sons, 7-12 Aldersgate Street, London, has been compelled to retire from business in consequence of continued ill-health. His employers have shown their appreciation of his past services in their usual liberal manner, and Mr. Shannon goes into retirement with the good wishes of Messrs. Maw, his fellow-workers, and many friends in pharmacy. Mr. Shannon passed the Minor examination in December 1883.

TRADE NOTES.

Apollinaris Record-breaking continues. Last year over forty million bottles were filled at the Apollinaris spring.

CIOLA TOOTH-POWDER.—Messrs. F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N., make an announcement in this issue regarding the buying and selling points of Ciola tooth-powder. A special bonus offer is included in the advertisement.

RAIMES & Co.'s net price-list for 1914 of proprietary articles and druggists' sundries now extends to eighty-four pages of two columns each. The fact that the minimum price of protected articles is given adds to its utility for reference purposes. Chemists can obtain copies of this list and of the new monthly prices current by sending a postcard request to Messrs. Raimes & Co., Micklegate,

· The New Price-list of Messrs. Oldfield, Pattinson & Co., New Bridge Street, Manchester, extends to nearly 200 pages (8 by 5½ in.). The chief sections relate to chemists' counter specialities, proprietary preparations, druggists' sundries, and photographic goods. The brown tone of the cover and printing ink, and the use of fine-art paper make the catalogue handsome as well as

DIGALEN HYPODERMIC TABLETS are the latest addition to the series of digalen products of the Hoffman-La Roche Chemical Works, Ltd., 7 and 8 Idol Lane, London, E.C. Each tablet contains $\frac{1}{250}$ gr. of "digitoxin solubile Cloetta," and when dissolved in 15m of sterile distilled water forms a solution for intramuscular injection of the same strength as digalen. The tablets are put up in tubes of twelve.

BOVRIL BONUS PICTURES for 1914 are "Nothing to Fear," by Fred Morgan, "In the Heart of Devon," by A. de Breanski, jun., and "Fireside Joys," by Arthur J. Elsley. The first one $(37\frac{1}{2}$ by 32 in.) is a beautiful reproduction, the subject being children seeking their mother's protection from the unusual and awesome appearance of a dancing bear.—During January a special 5 per cent. restocking allowance is being made on orders for bovril placed during this month. The company's announcement regarding this is in this issue and should not be neglected.

N.H.I. APPLIANCES.—The revised tariff for the supply of surgical appliances and dressings under Medical Benefit of the National Insurance Act comes into force in a few Firms making special announcements in this issue regarding the wholesale supply of the articles conforming to the revised specifications are Allen & Hanburys, Ltd., 48 Wigmore Street, London, W.; Carnegie Bros., 33-35 Charterhouse Square, London, E.C.; Evans Sons Lescher & Webb, Ltd., Liverpool and London; S. Maw,

London, E.C.; and Son & Sons, Aldersgate Street, Robinson & Sons, Ltd., Chesterfield.

B.D.H. LISTS.—Chemists who have not received copies of the new price-lists issued by The British Drug-Houses, Ltd., 22 to 30 Graham Street, London, N., should send their business memorandum for them. illustrated catalogue of chemists' specialities is a hand-some volume of 166 pages ($9\frac{3}{4}$ by $7\frac{1}{4}$ in.) in a scarlet limp cloth cover. The numerous illustrations are well printed, while the index to the pages gives also the prices and sizes of the packed goods. The quarterly net prices current of drugs and chemicals has been thoroughly revised and brought up to date. It takes a sixteen-page pamphlet to give the complete specifications of "P.P.P. chemicals. A folder gives the prices for N.H.I. appliances in accordance with the 1914 tariff.

"WRIGHT'S FIRST PRIMER" is a novel idea adopted by the proprietors of Wright's Coal Tar Soap to make learning to read attractive to "the bairns." It is what the title calls it, a primer written by an educational expert and illustrated with amusing coloured pictures. It is really educational, amusing, and clever, both writer and artist having contributed to this. The drawings are reminiscent of Ralph Caldecott, being after his style. Messrs. Wright, Layman & Umney, Ltd., are advertising that they will send a copy to any child who sends them a stamp to cover postage. On Wednesday they had 800 applica-tions. We do not know whether they will send copies to chemists in business, but we would advise those of them who have young children to get them to act as their deputies, the "Primer" being too good to miss. Curiosity in regard to the name of the chap in the bath is settled on the last page of the "Primer"; it is not Peter Pan.

THE STRIKING SHOWCASE represented here in outline is manufactured by Messrs. Parnall & Sons, Bristol. It is

made entirely of glass, the plates of which are secured by a process, patent metal clips not being used, and the edges are polished. There is provision in the interior for adjusting the

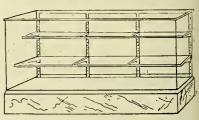


plate-glass shelves to any height desired, and it will be seen that the case rests upon a polished-marble base, the whole forming not only an excellent showcase, but a counter suitable for the centre of the shop. Showcases of this design are made in several shapes and sizes, and full particulars can be obtained from the manufacturers at 44 and 45 Broadmead, Bristol, or Mansion House Chambers, Queen Victoria Street, London, E.C.

WILLS PROVEN.

Mr. Thomas Dodsworth Smith, retired druggist, 70 Ridge Road, Armley, Leeds, who died on December 3, 1913, left estate of the gross value of 350l. 11s.

cstate of the gross value of 350l. 11s.

MR. George Weldorn, chemist and druggist, Woolsthorpe, near Belvoir, who died on September 30, 1913, left estate valued at 722l. 0s. 4d. gross, with nct personalty 157l. 10s. 7d.

MR. William Furnivall, chemist and druggist, 113 City Road, Cardiff, who died on November 3, 1913, left estate valued at 978l. 11s. 6d. gross, with net personalty 959l. 3s. 1d.

MR. Furnival Prince Cooper 15, Vernon Road, Loals, MR. Furnival Prince Prince

MR. FRANK PEACOCK COOPER, 15 Vernon Road, Leeds, representative for Messrs. Goodall, Backhouse & Co., who died on October 12, 1913. left estate of the gross value of 2,5677. 4s. 4d., of which 2,0451. 14s. 6d. is net personalty.

MR. WILLIAM PENISTONE, 22 Claremont Road, Smethwick.

for more than forty years with Messrs. Southall Bros. & Barclay, Ltd., who died on November 30, 1913, left estate of the gross value of 639l. 10s. 10d., of which 498l. 13s. 3d.

is net personalty.

DR. TEMPEST ANDERSON, M.D., York, who died on August 26, 1913, left estate of the gross value of 97,3651. 8s. 7d., of which the net personalty has been sworn at 94,3521. 5s. 3d. Among the bequests is a legacy of 500l. to Richard Bell. his former dispenser.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, London, W.C., on January 2, at 5.30 p.m., Mr. E. H. Farr (President) in the Chair. There were also present Messrs. E. F. Harrison, E. Saville Peck, F. Ransom, and W. F. J. Shepheard (Vice-Presidents), D. Lloyd Howard (Honorary Treasurer), T. O. Barlow, C. A. Hill, G. Whitfield, and H. Wilson, with H. Finnemore and R. R. Bennett (Hon. General Secretaries). Apologies for absence were received from Messrs. F. W. Branson, C. H. Hampshire, J. A. Thomas, T. Stephenson, and W. F. Wells.

NEW REMEDIES.—Mr. Finnemore announced that Mr.

Camble wished to resign his position as new remedies abstractor for the 1914 "Year-book," owing to inability to devote the necessary time to the work. The Secretaries were instructed to make arrangements for the continuation

of this section.

THE DEATHS of Professor Schaer (Strassburg) and Mr.

F. U. Stamp (Hampstead) were reported.

A PROVISIONAL REPORT submitted by the Hon. Treasurer showed that as a result of the year's work the Conference would be practically out of debt. On the motion of Mr. Finnemore, seconded by Mr. Peck, it was agreed that this report, subject to audit, be adopted, printed, distributed to members of the Conference, and presented to the annual meeting. The question of the size of future volumes of the "Year-book" and other matters relating to this volume were referred to the Research Sub-Com-

PROGRAMME OF CHESTER MEETING.—Mr. Shepheard submitted the proposed programme for the Chester meeting as follows:

Monday, July 20: Reception at Town Hall.

Tuesday, July 21:
9.30 A.M. Opening Sessions.
11.0 A.M. Ladies' excursion to the Cathedral.
1.30 P.M. Luncheon.
2 30 P.M. Practice Section.
3 30 P.M. Luncheon.

2 50 P.M. Practice Section.
3.30 P.M. Ladies' walk round city walls.
7.0 P.M. Dinner at Grosvenor Hotel.
Wednesday, July 22:
9.30 A.M. Conference Sessions.
11.0 A.M. Ladies visit Museum and various places
of interest in the City.

1.0 P.M. Luncheon.

20 p.m. Closing Session. 3.30 p.m. River excursion to Eaton Hall 9.0 p.m. Smoking-concert.

Thursday, July 23: Excursion to Llangollen.

After consideration this provisional programme was heartily adopted, and the President, on behalf of the Executive, expressed his warm approval of the arrangements made for the visitors by the Local Committee. The Secretaries were authorised to send an official invitation to join the Conference to every chemist in the Chester district.

PRACTICE Section.—Mr. Bennett reported that the Practice Section Sub-Committee had resolved to recommend to the Executive that papers should be read and discussions held bearing on the subject of "Dispensing Ethics," and another subject relating to the everyday work of the pharmacist, on the afternoon of Tuesday, July 21. This report was adopted, and the Executive also decided that if necessary a separate Practice Section meeting should be held simultaneously with the Science Section on the morning of Wednesday, July 22.

RESEARCH SUB-COMMITTEE. -Mr. Finnemore reported that a conference had taken place between members of the Research Sub-Committee and the Standing Therapeutic Sub-Committee of the British Medical Association, and that a full report would be submitted to the next meeting

of the Executive Committee.

New Members.—The following ten were elected: Miss Blyth (Sunderland), E. H. Brittain (London), A. E. Butterfield (London), Miss Horniblow (Llandudno), B. O. Jones (Boksburg, Transvaal), Professor J. A. Koch (Pittsburgh, U.S.A.), H. Lowe (Chester), L. M. Parry (Liverpool), Professor R. W. Phillips (Bangor), and E. H. Selby (London).

Society of Chemical Industry.

MEETING of the London Section was held at Burling-A MEETING of the honder Section and Arrange 5, Professor ton House, Piccadilly, W., on January 5, Professor W. R. Hodgkinson in the chair.

PYRITES GASES.

The first paper, by Mr. Lewis T. Wright, was on "The Oxygen-content of the Gases from Roasting Pyrites. This was an attempt to trace the deficiency noted in the oxygen of the gases from roasting pyrites. The deficiency is greater according to the dilution of the gas, and suggests that in addition to the production of SO3 and metallic sulphates, there is some other cause which influences the deficiency, such as a constant error in the analysis. The author has proved experimentally that there could not be more than about 12 per cent, of sulphur dioxide in "burner" gas.

MONAZITE.

The next paper, by Mr. Sydney J. Johnstone, of the Imperial Institute, was on "Monazite from some new Localities." Lantern-slides were shown giving the result of the analysis of twenty-one samples of pure monazite-from Ceylon, Travancore, Nyassaland, Malaya, and Northern and Southern Nigeria. From Travancore in 1911 the exports of monazite were 1,100 tons, valued at 41,000/-The author called attention to the fact that an increase in specific gravity indicates an increase in the percentage of thoria—the ingredient for which monazite is worked. There are wide variations in the percentages of thoria present, monazite from Ceylon giving 9.5 to 28.2, that from Malaya 3.4 to 9.4, and that from Northern Nigeria 2.3 to 8. The analytical details were embodied in the

The Chairman said it is desirable to find uses for the cerium, lanthanum and yttrium, which at present

are practically waste products.

Mr. E. White (President of the Pharmaceutical Society) said he appreciated the paper very much, and added that the analytical figures would take many days to produce. He was glad that the lecturer had given his analytical processes in full, because he (Mr. White) looked with suspicion on the analytical results obtained before the work was standardised. In regard to the question as to whether it would pay to export some of the monazites referred to, it must be remembered that where the product has to be carried from inaccessible districts on the backs of natives, the transport expenses are heavy. Efforts are being made to find outlets for lanthanum. Some cerium is being employed alloyed with iron to form the friction wheels in pocket pipelighters, and a small quantity is used in medicine. Cerium has two oxides, and might be used for obtaining an oxidising effect. Three-quarters of the cerium is,

however, at present a useless product.

Mr. W. F. Reid recounted an experience of some years ago in South America. He collected on the banks of a river in Uruguay a pink sand. It was not analysed until recently, and it was found to contain a considerable proportion of monazite. The supply, moreover, is prac-

tically inexhaustible.

The Chairman, mentioning Mr. White's reference to cerium iron, said that a paper on alloys will be read before the Section later on in the year.

Mr. Johnstone, in reply, agreed as to the untrust-worthiness of the older analyses of monazite.

OTHER PAPERS.

Mr. A. Egerton then read a paper on the "Heat Test of Explosives," this being a continuation of a paper he read before the Section earlier in the year. Another paper, by Mr. J. L. Strevens, was on "The Viscosity of Oils"; and the final paper, by Messrs. L. C. Jackson. Leslie McNab, and A. C. H. Rothera, contained a suggestion to use the electrical conductivity or resistance of condensed milk as a means of checking the conclusion of the process during manufacture.

MEDICAL MEMORANDA.

Hiccough Arrested by Adrenalin.

Ségal, of Jerusalem ("British Medical Journal") relates the case of a patient who was suddenly seized with violent pains in the right side, constipation, and vomiting. The symptoms were suggestive of appendicitis, but the existence of hæmaturia and other indications proved that it was renal colic. Three days later he was seized with violent and painful hiccough. To relieve this large doses of bromide, chloral, chloroform, and cocaine were in turn given, but with no result. Gastric lavage with a solution of silver nitrate, and finally general anæsthesia under chloroform were equally unsuccessful. This went on for eleven days, the patient's sleep being constantly disturbed and his strength becoming rapidly exhausted. Finally adrenalin was given in a dose of 10 drops of a 1 in 1,000 solution, when the hiccough immediately, became less frequent, and on a repetition of the dose ceased entirely, and did not recur.

Pneumonia in Rand Mines.

SIR ALMROTH WRIGHT has completed the second part of his "Report to the Rand Native Labour Association on the Results of an Inquiry into the Causation, Prophylaxis, and Treatment of Pneumonia among Native Labourers," the first section of which was published last week. The concluding section, giving the general results and recommendations, has since been published. "The Times," referring to this report, states that the first part of the report, published a year ago, dealt with the treatment of pneumonia by drugs, especially by Professor Morgenroth's preparation, ethyl-hydrocupreinehydrochlorate, and showed that experimentally this compound does not operate satisfactorily. He laid it down that the empirical method of administering a drug "concerning which we have neither à priori grounds for believing that it will, nor evidence to show that it does, do what is intended" is unscientific. This applies with special force to a drug intended to destroy microbes. Sir Almroth laid down the considerations that have to be borne in mind before conclusions can be drawn from comparative cases, and he said that a drug could not be described as successful which, while it destroyed bacteria, at the same time injured the "nobler structures" har-bouring them. If the normal power of the blood to develop specific antidotes is interfered with, or if the white blood-corpuscles, the "army of protection," are rendered less active than usual, the drug stands condemned, no matter how great its merits in other directions. An absolutely scientific drug, for example, salvarsan, "606," attacks a specific organism only. Professor Morgenroth's drug did not satisfy the tests imposed. While it exercised a powerful effect on pneumococci in test-tube experiments, completely cured mice infected with the disease, and rendered the human blood bactericidal, it did not cure the patients treated with it. On the contrary, blindness resulted from its use in several cases. Sir Almroth believes that this negative result may be explained by the fact that, in man, pneumonia is attended by a consolidation of the air-spaces of the lungs, which become filled up with coagulated lymph. The germs shelter behind this rampart and are protected from the action of the drug. In mice, on the other hand, pneumonia is a disease of the blood. The second part of the report, which is being printed in "The Lancet," deals with the question of vaccination as a means of prevention and cure of pneumonia. In the case of immuno-therapy (as distinguished from pharmacotherapy) the object is to persuade Nature to manufacture the ideal drug for herself, using the remarkable powers of the blood-serum to this end. Nature's drugs, when produced, are perfect. Sir Almroth enters fully into the experiments whereby he proved that the pneumococcus is, in point of fact, the causative agent of the pneumonia on the Rand, and then discusses the manner in which he prepared his vaccines, and the method of administration. The conclusions arrived at are that prophylactic inoculation should be applied as a routine measure to every native on recruitment, and that the natives should be reinoculated after the expiration of four months, the dose in each case being 1,000,000,000 pneumococci cultivated on glucose blood broth. Therapeutic inoculation is not recommended for the present, further research being needed.



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75/52
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Kephaldol tablets, 79/33
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OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Lessons of 1864

are not exhausted by your reference to the abortivo attempt of the Pharmaceutical Society to obtain a Pharmacy Act in that year. The story begins in the previous year with the proposal of the Medical Council in their projected new Medical Act to secure for themselves the control of pharmacy. That this was defeated was due rather to the United Society of Chemists and Druggists than to the Pharmaceutical Society, but the proposal of the Medical Council stimulated both these bodies to an effort to obtain an Act of their own providing for the proper education and protection of pharmacists. It is not necessary to tell here the whole story of what followed; suffice it to say that although the Medical Council in a report on the two resulting Bills supported that of the Pharmaceutical Society, the Select Committee of the House of Commons to which both were referred favoured the other, but after passing several of its clauses came to grief over the examination question, and found it impossible to recommend either as it stood. Both were therefore dropped, but there can be little doubt that if the whole body of chemists had agreed upon a draft Bill a more satisfactory measure than that of 1868 could then have been passed. The moral I would draw is the old one: United we stand, Divided we fall; if we would speak effectively we must speak with one voice. In the crisis which now confronts us we can only be united on a democratic basis; if the Pharmaceutical Society succeeds in dominating the General Committee on Insurance matters we shall not be united in reality, however much so in appearance, and the action of the Committee, whether good or bad, will be distrusted and criticised to such an extent as greatly to impair its usefulness. If it is to have all the force it ought to have, it must be a fully representative body.

About 18,000

was the estimated number of chemists and chemists' assistants in 1864, the actual number having been 16,026 when the census was taken in 1861. Of these 3,388 were under twenty years of age, and therefore, say Bell and Redwood, presumably apprentices. The same authorities say that probably about 6,000 men were in business on their own account, of whom about a third were members of the Pharmaceutical Society—that is to say, pharmaceutical chemists, for in law there was then no distinction between the two. In last year's annual report there were 6,861 members of the Society, of whom 2,012 were pharmaceutical chemists. To these annual members must be added 661 life compounders. The number of chemists and druggists was 14,309. How do the figures here given compare with those of 1861? The most curious fact is the virtually unaltered number of pharmaceutical chemists. The number of members of the Society now greatly exceeds the whole number of chemists in business then, but the number of chemists and druggists is not far from double that; and if we add unregistered men to it, possibly we shall find that the Society is to-day very little, if at all, more representative of the whole drugtrade than it was in 1864.

The Pertincture and Subtincture

idea is, as you remark, ingenious, but there is another and equally serviceable nction—namely, that the prescriber should know sufficient about the drug he is prescribing to be able to dispense with mnemonics of any kind. Why should any medical man require to rely on the pharmacist to correct his errors in prescribing? To admit that such reliance is necessary is surely a humiliating position for any doctor to take up. As well expect us to correct his diagnosis as to attempt to supervise his treatment. Moreover, there must always be occasions when much larger doses are required than are specified for the group, and is the dispenser in all such cases to hold up the prescription till

the intention of the writer is ascertained? I remember an occasion when a prescription was presented which called for half-drachm doses of tincture of belladonna for a boy. I concluded that the doctor had written the 3 sign by mistake for the 5; but I was wrong, and on referring the matter to him, I only got snubbed for my pains. I was assured that belladonna in large doses is the best possible treatment for enuresis in children, and that the idea that such doses are poisonous is a delusion. From this experience I learned a lesson, and thereafter always thought twice before declining to dispense a prescription. But why the good man should worry about doses of drugs is not very clear, for have we not been assured in striking headlines that

The Day of Drugs is Past?

We have all been reading with much amusement in the daily papers the articles which excitable and ignorant journalists have been inflicting on a long-suffering and perfectly innocent public. Sir Almroth Wright has much to answer for, as the hysteria of the militant suffragette is not a whit more absurd than the hysteria of the journalist in search of a scoop. The man in the street who believes all he reads must often bo in a very bewildered frame of mind. With one breath we are told that drugs are useless, and with the next that the only cure of syphilis is a drug. Of course, we are assured that in the case of salvarsan the drug is scientifically applied, but so too are quinine in malaria and emetine in amebic dysentery. A few years ago cinchona and ipecacuanha were used empirically, but with striking success, just as bacterial vaccines often are to-day. In bygone years the homeopaths used empirically substantially the same methods now employed by Wright and his school, yet what quacks we used to call them!

Words Relating to Pharmacy

or the drug-trade are not very numerous in this quarter's double section of the "Oxford Dictionary." There are few plant-names of importance, sour dock (sorrel), southernwood, and several compounded with sow, as sowbread, sowthistle, being among the chief of them. Speargrass is another; it is applied to several grasses, but most commonly to couch grass. Soya, the name of the well-known bean, is Japanese in origin, the plant yielding the bean being Soja hispila. Soy is the colloquial form of Japanese sho-yu or siyau-yu, the first element of which indicates salted beans (properly of the plant just named), and the second oil. Under "sort" the phrase "of sorts" occurs, with many illustrations, but there is no direct reference to such use as we are familiar with in our drug-lists—e.g. "Gum. Acaciæ, sorts." The nearest approach to this is in the quotation "Item 2 pounds of sorts of Portugal," a use which is marked obsolete. The definition given of species as a trade term is still more defective—"The separate materials or ingredients used in compounding a perfume, drug, or similar preparation." This, too, is marked obsolete, and in the sense given it certainly is, but it is not the most usual sense. A species in our dispensatories is almost invariably a compound powder, originally a powder from which an electuary was to be made, but latterly not so confined in use. It is strange not to find under either "specie" or "specie-" any mention of specie-jar. I ought perhaps to say that species is also defined as a composition used in embalming (obs.); but this is not enough. Spectacle meant a glass window long before it stood in the plural for what we now term spectacles, and spectrum had for its first meaning an apparition or spectre. Sparadrap and spasmadrap (spasmcloth) are old names for a plaster; spagyric (apparently an invention of Paracelsus), meaning an alchemist, or the science of alchemy, is still in use. All "spas" derive etymologically from Spa in Belgium. Spatula (of obvious origin) means a broad-bladed implement of almost any kind used for pharmaceutical or medical purposes.

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Editorial Articles.

A New Year's Resolution.

THE second year of Pharmaceutical Service under the National Insurance Acts begins on Monday, January 12. The elements of doubt which clouded the field a year ago are dissipated in a great measure. It is now evident that the allocation of 2s. per insured person for payment of drugs and appliances will suffice to pay chemists' accounts in full, except in a few industrial centres. The experience of the first year is fast producing mutual understanding and trust between Insurance Committees and chemists. The new Pharmaceutical Committees and Pharmaceutical Service Sub-Committees should develop this into a spirit of active co-operatiou. The chief hindrance to complete unity is delay in paying chemists' accounts. At present many chemists feel quite certain that Insurance Committees are responsible for delay, while, as a matter of fact, the novel conditions of accounting imposed by the Drug Tariff are the actual cause. It is well known that the Insurance Commissioners foresaw this difficulty and urged upon pharmaceutical representatives per capita payment. This would have saved the administrators much, but the sea of troubles into which it would have cast panel chemists would have been as turbulent as the waters of Cape Horn. Better now that chemists should bear the ills

hey have, and, at the beginning of the second year, enefit by the experience and lessons of the first. A ertain proportion of chemists have not yet adapted themelves fully to the methods prescribed for rendering eccounts, while the checking departments of some Inurance Committees and of the Pharmaceutical Standng Committee on Insurance are considerably in arrear s regards prescription-checking, all of which will hinder he final balancing of accounts for the year. By adopion of more systematic methods chemists' accounts ould easily be paid before they are a month old. By he way, what a boon it would be if all booking custoners did that! Accounts should be rendered promptly nd in the prescribed form. This is easy if unpriced nsurance prescriptions are not allowed to accumulate. Once the initial effort is made, pricing soon becomes outine, even at rush periods. This practice has the dditional advantage of being a double check on quantiies and enabling Form A to be separated at once from he duplicate which is placed on the chemist's file. Prescriptions of the "Rept. mist." type complicate the process, but such prescriptions can be copied at once or oinned to the original Form A, which is easily found f these are kept in the same order as the chemist's own ile. In any endeavour to stop the prescribing of rept. nist., chemists will be supported by the Insurance Comnittees' accountancy departments. The task of entering priced prescriptions on the final account forms in time or the specified monthly or quarterly date of rendering s easy compared with that of pricing prescriptions for the whole period. Many Insurance Committees have adopted ummary forms which allow batches of one hundred precriptions to be completed every day or so, and keepng these up to date facilitates completion of the final statement. We are looking forward to the time when Committees will pay the full amount, after audit, on such batches of prescriptions as they are sent in. The new arrangement of Drug Fund finance will allow this in places where a surplus is sure. Chemists who are systenatically late with their accounts should remember that it present they may be keeping money back from others Insurance Committees should by pesides themselves. 10w have obtained sufficient experience in organising their rescription-checking departments to put these on a proper pasis, which means ability to check and audit as many rescriptions per day as are dispensed within twentyour hours, and thus facilitate monthly payments, or even payments on account, against any batch of prescriptions. Pharmaceutical Committees will, we trust, ceep this in view. The system of bookkeeping in London s such that payment in full on either of these two ystems can be made just as readily as quarterly paynents of 75 per cent., and it is practically certain that he 2s. Drug Fund will be quite adequate in the coming vear, as the total value of prescriptions is diminishing nd not increasing. The Essex Insurance Committee, which organised its checking department at an early date, pays 90 per cent. of the quarter's accounts as checked vithin a month of receipt, by getting in prescriptions s early as possible. In Surrey, where the checking is lelegated to the Pharmaceutical Standing Committee on nsurance, the process is six months behind. This is egrettable. It may or may not have a bearing upon he future of the work done by that Committee, which, nowever, may now be regarded as of a tentative nature, particularly if the Committee's successor is a Committee of the Pharmaceutical Society, whose work is confined o the four corners of the Charter conditions. This by

The advent of the Treasury into Insurance the way. financial affairs at the end of the year is bringing home to Insurance Committees, through the Commissioners, their responsibility as to checking. The Middlesex Committee, over which Mr. W. S. Glyn-Jones presides, gives a cue in suggesting that the Panel and Pharmaceutical Committees for the county should form a Joint Committee with its representatives to do the checking of chemists' accounts. Presumably the arrangement would be sanctioned by the Commissioners. The scheme should make for prompt payments; but, we repeat, that the first impetus in that direction must come from chemists themselves. Prescription-pricing must be a shop duty, just as taking money over the counter is. Any shirking of this means delay. There is thus need for making the argument which underlies these observations a New Year's resolution.

Chemists and Dentistry.

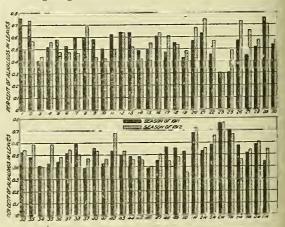
THE discussion in our correspondence columns regarding the attitude of registered chemists towards the practice of dentistry has been of decided service, and for part of this thanks are due to Mr. C. T. Allen, whose intervention on a high ethical plane gave the discussion a turn that it might not have taken. To a certain extent we are with Mr. Allen. The mere practice of dentistry by chemists does not entitle them to statutory recognition pari passu with those who have conformed to the conditions formulated under the Dentists Act, 1878, for registration as dentists, but it is particularly serviceable to have all the facts and surmises in regard to contemplated registration of unregistered dental practitioners brought forward. Most of the aspirations in that direction are without a real foundation. No definite proposal for the amendment of the Dentists Act has yet been submitted to or considered by the General Medical Council, which is the legal authority in such matters, just as it is in respect to the Medical Acts; in fact, it is the statutory body for dental and medical education, examination, and registration. The only thing that has been done in regard to proposed amendment of the Dentists Act has been under the agis of the British Dental Association, a body without statutory powers which has nothing to do with the administration of the Four years ago, when the outcry for a larger Dentists' Register was most clamant, and it looked as if the Association, which had drafted an amending Bill, would get its members to agree to the Bill (which result did not occur), the Chemists' Dental Society was formed. Its purpose is to protect the interests of chemists in this matter, for under the proposed Bill they would have been left out from any scheme of registration, and probably deprived of the right, which is common to every citizen, of exercising dental handicraft for gain, or affording any kind of dental aid to their customers. A certain measure of success has attended the Society, and there can be little doubt that when the amendment of the Dentists Act comes within the range of practical politics the need for the Society will be more keenly felt than it is at present. The suggested extension of Insurance Act benefits to include dental aid, if legalised, may give an impetus to legislation, because the number of dentists in the United Kingdom is considered by some to be insufficient to meet the requirements. The exact number on the Dentists' Register is 5,140; of these, 3,439 are licentiates and graduates in dentistry, and 1,669 are registered on their own declaration as having been in bona-fide

practice of dentistry before the passing of the Act, while ten more of this class have additional surgical qualifications. It may be true to say that such of these registered dentists as practise in Great Britain would suffice for Insurance dental work, if permitted to depute, as they do at present, the mechanical work and certain operations to experienced persons who are not registered as dentists. The registered chemists of Great Britain could not possibly perform all the Insurance compounding and dispensing if they were not similarly assisted. The Statute provides that the responsibility shall lie with the panel chemist, and this responsibility is shared by each qualified person who assists him in the work. Statutes do not attempt to do more in principle than this, and Parliament always ensures that a privilege is not given to a non-statutory body if a statutory one exists, and the latter usually gets the exclusive privilege. Therefore, before deciding who will perform Dental Benefit (if it is created), Parliament will consider who by law are attributed to be professionally qualified for the work. It is not likely to interfere with the rights of the individual, as upheld by the House of Lords in Bellerby v. Heyworth and Bowen and Minter v. Snow, but until a deficiency of statute-qualified service is proved, would the Legislature look for help in the ranks, say, of the Chemists' Dental Society and the Incorporated Dental Society. The Dentists Act has failed in its object, say some, in so far as the dental practitioners registered under it are numerically inadequate to cope with the dental service required by the public. The Act did not profess to do this, but merely to provide "for the registration of persons specially qualified to practise as dentists." The rights of the individual in respect to dental work were not interfered with, and this has proved good for the country, for the conditions of qualification under the Act have become increasingly arduous and qualification so expensive that the registered persons are now to a large extent professional advisers of the well-to-do, who alone can pay the fees demanded. Meanwhile public appreciation of dental aid as a health-conserving agent has increased, and the demand for service is such that so-called unqualified dentists have grown in number to meet the demand, chiefly because the supply of registered dentists has not kept pace with the demand. If history repeats itself, a time will come when this unqualified majority will be strong enough to get legislative recognition, and the wheel will begin another turn, carrying the residuum which is not recognised to form another class of unqualified for posterity to deal with.

Belladonna Cultivation.

THE variability of the alkaloidal value of belladonna leaves and root has been investigated by many chemists and pharmacists, and there is general agreement that questions which remain unsettled can only be determined by systematic cultivation of the plant. Mr. Francis Ransom, as a member of the International Committee on the Variability in the Activity of Toxic Drugs, commenced such experiments on his company's farm at Hitchin some years ago, and his first report was submitted by him and Mr. H. J. Henderson to the International Congress of Applied Chemistry in Washington in September 1912. (See C. & D., 1912, II., 443.) They dealt with the effects of cultivation and fertilisers on the growth of the plant and its alkaloidal content. At the same time Mr. Francis H. Carr communicated a paper on the effect of cultivation upon the alkaloidal

content of belladonna, his remarks being based upon observations made at the Wellcome Materia Medica Farm. (C. & D., 1912, II., 432.) Chevalier in France has also done similar work. These workers have now been joined by Mr. Arthur F. Sievers, chemical biologist, Office of Drug-plant and Poisonous-plant Investigation, Bureau of Plant Industry in the Department of Agriculture, Washington, D.C. The results of experiments conducted by him are embodied in a communication to the "Journal of Agricultural Research." In this case the work is not directly connected with the international inquiry, but was started on account of the necessity which exists in the United States for the improvement of important medicinal plants, and "Atropa Belladonna was selected as a suitable plant for investigation, as it is probably the most important of the group of solanaceous alkaloids which depend for their therapeutic action on mydriatic alkaloids, and the supply of the plant in the wild state is largely exhausted, and future supplies must necessarily depend on cultivation." Mr. Sievers' experiments commenced at the Arlington experimental farm in the summer of 1909. Plants were also grown in the drug-testing garden at Bell, Md., as well as at the drug-testing garden, Madison, Wis. The results now reported are confined to descriptions of the physical appearance and dimensions of the plants and the alkaloidal value of the leaves. The first year's belladonna plants (twenty-four in all) grown at Arlington gave leaves in June 1910 which showed an average alkaloidal yield of 0.547 per cent., the highest being 0.7 and the lowest 0.334. In the second and third years five systematic pickings were made from sixty-one plants-two in May, one in June, one in September, and one in October. The number of stems, the height of each plant, and the yields of alkaloids from the leaves of each picking were recorded, and are set forth in tabular form in the report. Each plant was numbered, so that the figures throughout refer to individual plants. The results are most valuable, particularly as showing how plants vary in alkaloidal yield, although the same plant yields approximately the same amount of alkaloid from season to season. This is graphically shown in the following diagram:



Mr. Sievers very wisely refrains from coming to any definite conclusions at present, but his report justifies the statement that from the point of view of the percentage of alkaloids present in the leaves and the quality of material available the leaves can be picked to best advantage from the time of flowering until the early berries begin to ripen. Later in the season the leaves

re richer in alkaloids, but are too small and sparse for arvesting. There appears to be no correlation between he physical appearance of the plant and the alkaloidal ontent of its leaves. As there is an exceedingly large ariation in the percentage of alkaloids obtained from aves of different plants, it is a difficult matter to deternine to what extent soil and climate influence the development of the alkaloids. The workers in England are by a means dogmatic on this point. Mr. Sievers' work will be of service, particularly in the directions where his evestigation shows originality. It seems to us desirable hat the alkaloidal determinations should not be confined to the leaves, which nowadays are of less importance in the possible to devise similar experiments on the root.

Failures in 1913.

CHE number of failures in the United Kingdom in 1913 s the lowest since 1887, when the total was 5,852. This s the New Year's message sent to us by Mr. Richard leyd, F.S.S., whose statistical statement is again published. He states that the number of failures during 1913 was 6,757 (3,760 bankruptcies and 2,997 deeds of arrangement, including Scotch trust deeds), of which 649 (337 bankruptcies and 312 deeds of arrangement) were in the inancial, wholesale, and manufacturing branches of trade, i68 (585 bankruptcies and 83 deeds of arrangement) among he professional classes, etc., and 5,440 (2,838 bankruptcies and 2,602 deeds of arrangement) in the retail trades and vorking classes. The following are the figures for the pusinesses with which we are concerned:

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ı					\mathbf{B}	D.	Ttl.	В.	D.	Ttl.
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	Wholesale drysalters, oils and									
ı	colours	 8	7	15	3	8	11	7	8	15
	Retail aerated waters, etc	 12	9	21	6	13	19	3	8	11
r		24			26		69		25	
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		i			2	5	7		-4	
	B = Bankruptcies ; D = Deeds of			_	_					

The improvement in the wholesale and retail drug-trade s splendid. Similar improvement is shown by the medical rofession, the figures confirming the observation already nade in these columns that medical benefit under the (nsurance Act has contributed to the prosperity experinced in 1913. Mr. Seyd also reports that during the rear 2,042 limited companies were wound up. Of these 183 were voluntary, 826 on account of liabilities, 93 were reconstructions, and 140 under order from the Court. The otal compares with 2,157 in 1911 and 2,158 in 1912.

The Quality of Toilet-soaps.

'THE LANCET' has carried out a series of analyses of oilet-soap, from which conclusions are drawn that are of considerable interest. Twenty-six samples were examined, and a table is given of the price per lb. of dry soap, moisure, ash, alkalinity, sugar, glycerin, characters of the fatty icids, valenta figure, and free alkali. The names of the nakers of the soaps are not given, but the soaps are lescribed as "transparent glycerin soap," "brown Windsor," "honey," "buttermilk," etc. The prices vary from $6\frac{1}{4}d$. per lb. for a yellow opaque tablet to 8s. 4d. per b. for a soap described as "face" soap, and it is sugsested that the addition of scent unduly enhances the The proportion of moisture is highest in the cheaper toilet-soaps; it amounted to 23.6 per cent. in one ase, and was only 3.6 per cent. in an expensive soap. The majority of the soaps showed a percentage of water of from 4 to 8. Sugar was present in three samples of

transparent soap and glycerin in two specimens of the same kind of soap. Glycerin in making cheap transparent soap has the disadvantage that it causes "sweating," sugar used for the same purpose does not, although it has irritating effects on sensitive skins. High-quality transparent soaps are prepared by means of alcohol, and, states "The Lancet," "for toilet purposes we are inclined to think that the unscented transparent soap prepared by tho alcohol process is one of the best soaps adapted for personal use, including the case of a sensitive skin." The question of hydrolysis in contact with water is duly considered, and it is stated that the proportion of alkali set free on dissolution in water varies with different soaps, but not to a very large extent. Free alkali was present in six cases, but only in traces in two samples. Objection is taken to fancy names applied to soaps which are innocent of the ingredient indicated, such as buttermilk, cream, cucumber. The conclusions drawn from the investigation are that the toilet-soaps on the market as a whole evidence a degree of purity and adaptability for toilet purposes which redound to the credit of the soapmaker.

British Trade in 1913.

The returns by the Board of Trade of imports into and exports from ports of the United Kingdom were issued on Wednesday evening. They establish a record—viz., total value of 1,404,151,093*t*. We subjoin the figures for 1902 and the past three years:

-	1902	1911	1912	1913
Exports Imports	£ 421,475,000 528,391,000	£ 556,878.432 680,157,527	£ 598,961,130 744,640,631	£ 635,117,134 769,033,959
Total	949,866,000	1,237,035,959	1,343,601,761	1,404,151,093

The export trade of the country has more than doubled since 1898, when the amount was 294 millions, the seven years preceding being lean years. The imports were about half as much in 1888 as they are now. The total has doubled since 1898, when 702 millions was the figure. This import and export business represents 10s. a week to every man, woman, and child in the realm. December trade was three millions less in imports than December 1912, and 525,513l. better in exports of British produce, besides 486,616l. better in reexports. The decline in imports is due to raw materials, which are about $3\frac{1}{2}$ millions less in value. About half a million more has been imported in food, drink, and tobacco. The chemicals account is as follows:

Year		Imp	oorts	Exports			
		December	Year	December	Year		
1911 1912 1913	•••	£ 1,057,289 1,199,364 1,019,584	£ 11,411,060 12 545,758 12,906,509	£ 1,684.031 1,783 593 1,705,970	£ 20 053,129 21.036,390 22,012,238		

There are indications that these figures can only be kept up by continued effort. Pessimists say that trade is to be bad, and the imports of raw materials support this slightly, only six millions more having been imported during the year, while there was three and a half less last month—which means that there will be about as much less of manufactured goods to export in a month to come.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

Council-meeting.

THE monthly meeting of the Council, held at 16 Bloomsbury Square, London, W.C., occupied less than an hour. There were eighteen Councillors present. A resolution of congratulation was ordered to be sent to Sir Richard Winfrey on the honour which he has received from the King. Several substantial donations were announced for the Benevolent Fund, and the sum' of 1371. was granted to applicants. This included grants to the three unsuccessful candidates at the recent Benevolent Fund election. It was announced that the Board of Education has decided to make a grant to the School of Pharmacy, the amount to be determined at the end of the session. Final arrangements were made as The Secretary is to the Conference on Insurance. authorised to receive the names of delegates up to the end of this week.

The Councillors present were: Mr. E. White (President), Mr. A. S. Campkin (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. C. B. Allen, F. E. Bilson, W. G. Cross, J. H. Cuff, F. J. Gibson, R. L. Gifford, A. Hagon, J. F. Harrington, E. T. Neathercoat, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, and J. R. Young.

SIR RICHARD WINFREY CONGRATULATED.

The proceedings began promptly, and after the con-

firmation of the Minutes,

The President referred to the honour which has been conferred on Sir Richard Winfrey. He has been, said the President, a good friend to the Society and to the craft, and always very willing to give assistance both in and out of the House of Commons. He (the Presi-dent) was glad Sir Richard's services to his country have been recognised.

The PRESIDENT then proposed that the following resolution be sent to Sir Richard Winfrey:

That this Council, representing the pharmacists of Great Britain, tenders cordial congratulations to Sir Richard Winfrey, M.P., upon the well-deserved honour bestowed upon him by His Majesty. His former colleagues desire to express their gratification that pharmacy should have been honoured in his person, and they recall with gratitude the services which he has ever been ready to render to the calling of which he has been so distinguished a member.

Mr. Young, in seconding the resolution, said it is extremely gratifying that this honour has been conferred

upon a pharmacist.

Mr. CAMPKIN, supporting, referred to the exemplary and energetic life led by Sir Richard Winfrey.

Mr. Rogers and Mr. Bilson associated themselves with the resolution. Mr. Bilson recalled that he was for three years a fellow-assistant with Sir Richard at John Bell & Co.'s pharmacy in Oxford Street. He remembered also the beginning of Sir Richard's political career, when his speeches were rehearsed late at night in his bedroom. "The partitions of the bedrooms in those days were very thin, and it used to keep us awake at night," said Mr. Bilson, amid laughter.

The resolution was carried unanimously.

ELECTIONS AND RESTORATIONS.

There were 138 members elected and 76 student associates, the numbers in January last year being 103 and 47 respectively. Sixty-seven persons were restored to their former position in the Society, and three names were restored to the Register of Chemists and Druggists.

FINANCE COMMITTEE.

The TREASURER then presented the report of the Finance According to this the receipts during registered sixty-five apprentices or students. Committee.

December were 5,266l. 15s. 5d., made up as follows: Penalties and costs, 186l. 5s. 1d.; subscriptions, 16l. 16s.; "Journal" and publications, 502l, 8s. 10d.; restoration-fees, etc., 9l. 3s.; registration-fees, 161l. 14s.; school-fees, 17l. 10s. 5d.; examination-fees, 1,286l. 10s.; interest and sundry sales, 86l. 8s. 1d.; bank deposit, 3,000l. After deducting the payments authorised at the last Council-meeting there remained the sum of 1,235l: 0s. 4d., from which the following amounts were recommended for payment: "Journal" and publications, 107l. 8s. 7d.; stationery, etc., 77l. 1s. 6d.; current expenses, 600l.; salaries, etc., 346l. 0s. 4d.; school and examinations. 53l. 7s. 6d.; law charges, 64l. 1s.; house, 7l. 15s.; library. 21l. 17s. 10d.—a total of 1,277l. 11s. 9d. The balances the Parameter Fundamental account range of ellows. on the Benevolent Fund account were as follows: Current account, 174l. 14s. 9d.; donation account. 18l. 0s. 1d.; Orphan Fund, 72l. 19s.

In moving the adoption of the report, the TREASURER said the report was on similar lines to that of a year ago. He regretted that the subscriptions to the Benevolent Fund during the month were 62l. less than last year. The grants made on the previous day had practically swallowed up the whole of the balance. The bright side, however, is that several donations have been received: Mr. E. H. Gane (New York), 5l. 5s.; Mr. S. R. Atkins (Salisbury).
5l. 5s.; Chemists' Assistants' Association, 1l. 10s. 6d.;
Mr. R. L. Whigham, 5s. 3d.; Shropshire Pharmacists'
Association, 2l. 2s.; Mr. J. A. Thomas (Cheltenham).
3l. 12s.; Mr. J. D. Jenkins (Cardiff), 16l. 8s. 8d. Mr. Whigham's contribution was obtained by means of a collecting-box. Mr. Thomas called on all the local chemists for subscriptions, and Mr. Jenkins, on behalf of himself and other Cardiff chemists, carried out a system of contributing $\frac{1}{2}d$. or 1d. a day to the Fund.

Mr. Hagon explained Mr. Jenkins's system in detail.

The report was adopted.

BENEVOLENT FUND.

Mr. F. A. Rogers, Chairman of the Benevolent Fund Committee, in moving the adoption of the report which had previously been considered in committee, said that grants amounting to 137l. had been made to applicants. These included grants of 26l. each to the three unsuccessful candidates at the last Benevolent Fund election. Mr. Rogers also mentioned that Mrs Sykes, one of the successful candidates, died practically on the day of the

Mr. PARRY added that the Fund had been the means at least of sparing Mrs. Sykes a pauper's grave. Mr. Parry added that he was much impressed with the way that all the officers of the Society enter into the spirit of

the administration of the Fund.

The report was adopted, and a resolution was carried authorising the Treasurer to pay the annuitants the amount of their pensions on the usual quarter days during

LIBRARY COMMITTEE.

The PRESIDENT presented the report of the Library. Museum, School, and House Committee. This referred to various matters connected with the school. There has been another overflow of water in the pharmacy laboratory, but not much damage appears to have been done. Steps are being taken to prevent an overflow in the future. A letter has been received from the Board of Education intimating that the School of Pharmacy of the Society has now been placed upon the list of institutions regarded as eligible to receive a grant for the school year 1913-14. The account for house and electric-lighting repairs for the month was 21. 48.

The PRESIDENT, in reply to questions, said that the amount of the grant from the Board of Education would depend upon the number of pupils and the instruction hours. It is not contemplated to offer any more scholar-

ships.

The report was adopted.

STUDENTS REGISTERED.

The REGISTRAR reported that during the month he had

LOCAL ASSOCIATIONS COMMITTEE.

Mr. E. T. NEATHERCOAT presented the report of this committee, which dealt with the district meetings held at Liverpool, Newcastle, Southport, London, Oldham, Worcester, and Warrington, and also laid down the programme of meetings in January and February. The committee agreed that the Conference of Delegates on Insurance should be held on January 21 in the Holborn Restaurant at 11 A.M. As replies have not been received from some local Associations it was arranged to keep the list of delegates open until January 10. The Council is to have a special meeting an hour before the Conference to consider the order of business.

Mr. NEATHERCOAT explained that the delay in sending in the names of delegates arises from the fact that many of the Pharmaceutical Committees have not yet held their first meetings. He added that it is contemplated to send out the agenda fully a week before the Conference.

Mr. Rowsell spoke enthusiastically about the Liverpool district meeting which he attended in December. The utmost kindness was shown to him, he said.

The report was adopted.

VACANCIES FOR EXAMINERS.

The report of the Parliamentary and General Purposes Committee dealt with the resignation of Mr. R. R. Bennett as an examiner, a letter from that gentleman explaining that he had now taken up a commercial position. There is also a vacancy caused by the death of Mr. F. U. Stamp. A sub-committee was appointed for the purpose of considering suitable persons to fill the vacancies. A letter was also directed to be sent to Mr. Bennett regretting that he finds it necessary to resign his examinership. The syllabus of the National University of Ireland was considered and approved.

CORRESPONDENCE

Mr. C. H. Hampshire, having been appointed pharmaceutist to University College Hospital, resigned his position as assistant lecturer in physics in the School of Pharmacy. It was left with the President to deal with the matter of filling the vacancy.

The Pharmacy Board of New South Wales forwarded a signed copy of the reciprocal agreement which was negotiated by Mr. Wadsworth on his recent visit to this

country.

The Education Department of the West Riding County Council suggested that the entrance examinations for professional callings should not be of lower grade than the matriculation or senior local standard. This was referred to the Education Committee.

The India Office forwarded a copy of a report on the work of the Indian Students' Department. The Secret TARY said that the report did not appear to have any pharmaceutical interest. There are between 1,600 and 1,700 Indian students in London, of whom 700 are members of various Inns of Court.

Dr. Waldo forwarded a rider attached to the verdict of a jury in a case of death by misadventure by drinking solution of caustic soda. It was suggested that caustic soda should be added to the Poison Schedule. communication is to be considered by the Law Committee

The Public Pharmacists' and Dispensers' Association wrote pointing out that in the Pharmaceutical Society's scheme of organisation no provision has been made for the representation of public pharmacists on the General Insurance Committee. It was suggested that one of the nominated members might be a public pharmacist.

Mrs. Stamp and Mr. Tanner wrote thanking the Council

for letters of sympathy.

This concluded the public business.

EXAMINATIONS IN LONDON. January Minor.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of

persons who passed the Minor examination at the January meeting of the Board of Examiners in London:

Allen, Percy W. S., Paddington.
Andersen, H. W., Scarborough.
Arnold, F. B., Cwm Avon.
Bailey, F. H., Highgate.
Baines, W. E., Gt. Berkhamsted.
Barstow, Edwin W., London.
Bennett, Alfred T., Reading.
Bact Sydney A. Dorby Bennett, Alfred T., Reading. Best, Sydney A., Derby. Bland, Wm. Harold, Wingate. Bolton, Reginald W., Kibworth. Borries, J. H. A., Manchester. Boyd, James Henry, Wigan. Burgess, N. P., Whitchurch, Salop.

Challener, J. R., St. Helens. Chambers, S. B., Sutton-in-Ash-

neid.
Chapman, Henry E., St. Neots.
Childe, G. R., Hunslet Carr.
Collishaw, C. W., Wandsworth.
Croft, L. K., Scarborough.
David, Idris N., Barry.
Davison, George, Stamford Davison, George, Stamford.
Davison, George, Stamford.
Dawson, Lionel S. M., Sheffield.
Doidge, Sidney A., Plymouth.
Junbar, Wm. Corbett, Bolton.
Edsforth, J. H., Clayton-leMoors

Moors. Edwards, Jared, Carmarthen. Edwards, Jared, Carmartnen. Elliff, W. A., Spileby. Entwistle, R. E., Acerington. Ferraby, Harry P., London. Fitzgerald, A. A. N., Muswell Hill.

Flotcher, G. H., Dursley. Franklin, Stanley, Highgate. Friedmann, Betzel, Russia. Gardner, W. F., Leamington

Spa Greatrex, Arthur J., London. Green, Thos. Arthur, Lee. Griffith, G. M., Gt. Bridge. Hacking, P. H., Staeksteads. Hopkins, S. N., Leighton Buzzard. Hosking. Norman W., Natai. Hoye, Charles S., Paris.

Ingram, Lewis, Llanidloce. Ingram, Lewis, Llanidloes, Jackson, Harold, Blackpool, Johnson, Muriel J., Leeds, Jones, D. C., Builth Wells, Leslie, Frank, Catford, Lewis, Edward G., Narberth, Lumb, Herbert, Lightelifie, McLachlan, D. G. R., Wimbledon

McLachlan, D. G. R., Wimbledon.
Mills Herbert, Hitchin.
Moore, William R., Sydenham.
Morley, Lewis J., Nottingham.
Newbery, F. A.. Bridgwater.
Phelan, Albert E., Nottingham.
Plant, John G. B., Wigan.
Pulpher, Philip J., Breaston.
Purcell, J. F., Ramssy, I.M.
Randall, T.G., Leamington Spo
Reeve, William Hy., Ilkeston.
Rippon, John, London.
Ronehetti, René A., Thornaby. Reippon, John, London.
Ronehetti, René A., Thornaby.
Rudman, Geo. Fredk., Swindor.
Sanderson, John Wm., Leede.
Simkin, Ernest P., Rugeley.
Simpson, Thomas M., Morpeth.
Smith, Arthur L., Coventry.
Sprague, W. H., Wellington.
Starkey, Walter, Birmingham.
Stott, Kenneth, Leeds.
Stott, Thos. A. H., Plymouth.
Swanston, Wm. E., Bradford.
Talbott, T. H., Surbiton Hill.
Taylor, Gladye L., Finchley.
Titterington, E., Cambridge.
Turner, Milo Richd., Stone.
Twomey, John C., Liverpool.
Usher, Thos. Glover, London.
Walker, Alfred Ed., Skipton.
Wallis, T. G. F. C., Plymouth.
Ward, Haden Beecher, Shefield.
Weeks, Alfred H. G., Dartford. Weeks, Alfred H. G., Dartford.
Williams, Thos. M., Burry PortWilliams, W. H., Abertillery.
Wood, Charles E., Bloxwich.
Yates, Edwin Cowpe. Swinton.
Zimmerman, W. F., South-

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks. are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," December 24, 1913.)

Comco"; for all goods (40). By the Commercial India Rubber Manufacturing and Supply Co., Ltd., 585 Com-mercial Road, London, E. 356,480.

"Arrow" under picture of same; for soap (48). By C-Thomas & Bres., Ltd., Broad Plain Soap-works, Bristol. 353,860.

"BADGER," with picture of same; for perfumery, etc. (48). By Hazlehurst & Sons, Ltd., 17 Highfield Street, Liverpool. 354,865.

(From the "Trade-marks Journal," December 31, 1913.) VOSSOLITE''; for a soil insecticide (2). By W. Voss & Co., Ltd., Glengall Road, Millwall, London, E. 355,631.

"ABSORBOLINE"; for animal-medicines (2). By Reade Broe-& Co., Ltd., Cleveland Road, Wolverhampton. 356,591. "TRYEN"; for medicinal chemicals (3). By P. W. Camp-hausen, 5 Wrangelstrasse, Berlin. 356,850.

"FLEXO"; for photographic apparatus (8). By W. Butcher

& Sons, Ltd., Farringdon Avenue, London, E.C. 355,893.

"Coronax," "Syn-ce-lain," and "Thymax"; for dental cements (11). By The Palatine Dental Manufacturing Co., Ltd., 15 High Street, Manchester. 356,169/70/71.

"Calypso"; for perfumery, etc. (48). By John Bell, Hille & Lucas, Ltd., "Oxford Works," Tower Bridge Road.. London, S.E. 355,273.

"SALITH"; for perfumery, etc. (48). By Tokalon. Ltd, 212-214 Great Portland Street, London, W. 356,337. "Renaissance"; for perfumery, etc. (48). By C. Thomas & Bros, Ltd., Bristol. 356,552.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Medical Benefit Illustrated.



THE ART OF PRESCRIPTION-PRICING.

Extract from testimonial: "I find your ice-bags excellent for pricing Insurance prescriptions.

Filing Insurance Prescriptions.

With the advent of Insurance prescriptions a new method of recording had to be adopted. Being sixty miles from the nearest bookbinder, I saw that much time, besides money, would be wasted in getting a special book. So I took a book, which I had bought years ago for another purpose, and ruled it off as shown below. As the Insurance prescriptions come in an entry is made, and the next number allotted.

1913	Prescribed by	Patient	No	Ordina Remedy	 $\frac{\text{Special}}{\text{Remedy} s. d.}$	
,, 16 ,, 17	Dr. Black Dr. Jones Dr. Gwatkin Dr. McIntosh	Alex. Whyte Peter Llewellyn Fred. Jones Wm. Davidson	1 2 3 4	Mist. Lin.	 Ungt.	_

The "Form A" is then put on a "Pakflat" apron file. "Form B" is next placed in one of "Walker's Handy Reference Files," size "A," which has a pocket for each letter of the alphabet. At the end of each month the contents of the "Pakflat" file can be taken off in an instant, and stitched together ready for sending to the Committee. As regards "Form B," while writing this note an order was handed to me from a doctor for "Rept. Mist." I found the original in a second by looking up the alphabetical file—

general. A common cause of delay is the fact that some chemists do not send in their accounts on the prescribed date or incomplete, the result being that they are the means to some extent of delaying payment to themselves and to all who are on the panel. Another cause of delay is the nature of the checking adopted, as may be gathered from the following particulars relating to the audits of five county areas around London:

Essex.—Payment is made of 90 per cent. of chemists' accounts, as checked by the Insurance Committee's department within one month of the completion of the quarter, these payments being passed at the quarterly meeting of the Insurance Committee. Supplementary payments are made later of accounts not sent in to time. Chemists have improved each quarter as regards promptness in submitting accounts, but about 10 per cent, are still negligent in this respect. It was pointed out to us that the Committee is only too anxious to pay premptly, so as to get their accounts

Kent.—Chemists' accounts have to be rendered quarterly, and 75 per cent. of the amounts is paid within a few weeks. The balance is to be paid as the checking is completed by the Insurance Committee. The checking for the first quar-ter only has been completed, but it is expected that the progress in the department, as regards the ensuing quarters' prescriptions, will be more expeditious. Full payment is delayed by the Insurance Committee's checking department. and chemists should press for speeding-up of the audit of

London.-The Committee has its own checking staff, and pays 75 per cent of the accounts rendered quarterly. As soon as the department completes checking of a number of the soon as the department completes checking of a number of the accounts, payment is made to those who have rendered them, and so on until all are paid three-fourths of the amounts due to them. Owing to the enormous number of prescriptions dealt with, and conflicting interpretations of the Statute and Regulations bearing upon the matter, much delay was experienced in the first two quarters. Checking of the five and a-half million prescriptions for the first. second, and third quarters is now complete. Completion of the fourth quarter's audit and that for the year are dependent upon the receipt of prescriptions. About 10 per cent. dent upon the receipt of prescriptions. About 10 per cent. of chemists are late in sending their accounts and prescrip-tions, one or two postcard requests often being ignored. In a few cases it has been necessary to send a special messenger in order to get the prescriptions, so that the whole of the quarter's accounts might be completed for the Insurance Committee. The checking department is now in good working order, and it is expected that shortly it will be possible to pay sums on account of the current quarter's prescriptions. The demands on the Drug and Drug Suspense Funds were The demands on the Drug and Drug Suspense Funds were so heavy in the first half-year that it was impossible to pay more than 75 per cent. of the amount due to chemists, but the claims have since diminished, so that it is probable that a larger proportion will be paid for the fourth quarter, and the full balance soon afterwards. This Insurance Committee seems to be the only one which has been subject to an exhaustive Treasury audit, and it has been asked to make as complete a check of the prescriptions as possible. This checking will cost about 3,000%. We are emphatically informed that delay in chemists receiving their proportionate payment is due in every instance to their own fault. What is probably the worst example was cited as follows:

is probably the worst example was cited as follows:

A chemist wrote to the Chancellor of the Exchequer stating that he had written to the London Insurance Committee five times, and had made two personal calls, respecting his account without any tangible result or any moiety of his account being paid, this being over 20t. The Chancellor referred the matter to the Insurance Commissioners, who requested the Committee's observations on the letter. In the reply it was pointed out that no claim had been received from the chemist in question; the prescriptions (Form B) received up to Aprill 14 had been sent back, as he had not then executed on agreement with the Committee (this was not done until May 21). His only claim for the second quarter was on an unauthorised form; it contained no details and was not accompanied by any prescriptions. Eventually the complainant called at Chancery Lane and explained that he had been communicating with the "Pharmaceutical Sub-Committee" under the impression that he had been writing to the Insurance Committee. impression that he had been writing to the Insurance Committee.

Another complainant wrote to the Chancellor of the Exchequer stating that on December 4 he could not get anything

was handed to me from a doctor for "Rept. Mist." I found the original in a second by looking up the alphabetical file.—

A. R. Clark, Braemar.

Payment of Chemists' Accounts.

Complaints reach us from time to time concerning delay in payment of chemiste' accounts by Insurance Committees. Inquiries in London and the adjoining counties show that any delay that exists is due to a variety of causes, and we surmise that these may be regarded as

ample money in the Drug Funds to pay chemists' accounts,

and a balance for the doctors.

Surrey.—Chemists' accounts are rendered monthly, and cheques for 75 per cent. of the amount as rendered are forwarded shortly after their receipt. The balance is para after ehecking, this being added to the next monthly payment. The Insurance Committee has delegated the checking of prescriptions to the Pharmaceutical Standing Committee on Insurance. Cheeking to the end of June has been completed, and that for July will be completed shortly. Any delay in full payment of accounts promptly rendered is accordingly due to the Pharmaceutical Standing Committee. Most chemists are now sending in accounts monthly, only a small proportion being late, so that their cheques are not paid until the following month. A few others still render their accounts quarterly. In Surrey the Drug Suspense Fund will not be drawn upon.

We shall be glad to hear from any subscribers of delays in payment by any Insurance Committee which are due to the officers of such Committee, and not to chemists individually or corporately. It will be generally regretted that the checking department of the Pharmaceutical Standing Committee on Insurance is so far behind with the Surrey prescriptions. Is there any other instance of the same nature?

ENGLISH PHARMACEUTICAL COMMITTEES.

The following two were omitted from the list of English Pharmaceutical Committees given in our issue of last week.

Essex.—(I) W. Bevan (Harwich); J. Brooks (East Ham); H. Cocker (Ilford); T. England (Romford); J. Freeman (Barking); C. E. A. Goode (Southend-on-Sea); J. H. Haywood (Southend-on-Sea); P. G. Jordan (Grays); W. Maskew (Clacton-on-Sea); J. H. Matthews (Leytonstone); V. L. Nicholls (Chelmsford); T. P. Pechey (Maldon); C. Rundle (Walthamstow); T. H. Seed (Leyton); E. H. Slater (Epping); A. Weddell (Colchester).

Walsall.—F. E. Bannister and H. E. Belsher (Bloxwich); J. W. Bate, J. F. Cornhill, E. M. Elliott, H. Gregson, H. D. Hayward, and A. Ireland (Walsall).

Of the 1,152 seats on the English Pharmaceutical Committees, 1,082 are filled by registered chemists, 35 by "contractors," nine by "others," and 28 seats were vacant last week. Thus the contractors (that is, persons who are not registered chemists and druggists) fill only about one-fifth of the number of seats which the regulations provided for them. Mr. W. Huntrods, President of the Incorporated Society of Pharmacy and Drug Stores Proprietors, Ltd., was a candidate at Leeds, but was defeated. The forty-nine counties have returned 494 chemists, eight contractors, and three others. In the county eight contractors, and three others. In the county boroughs the members of the three subdivisions are Part I., 588; Part II., 25; Part II., 6; with 17 vacancies, including Bootle, where the election miscarried. The vacancies (one, except where otherwise stated) are as follows: Berkshire, Buckinghamshire, Cornwall, Cumberland, Northumberland, Rutland (6), Bootle (8), Burnley, Canterbury (2), Croydon, Dudley (2), Ipswich, Newcastle-on-Tyne (2). Most of the vacant seats were left onen for contractors, and they will no doubt be filled. left open for contractors, and they will no doubt be filled by co-opting pharmacists.

WELSH PHARMACEUTICAL COMMITTEES.

The following have been elected members of the Pharmaceutical Committees in Wales. There is one seat still open in each of the following areas: Carnaryonshire, Monmouthshire, Radnorshire, and Cardiff. There are three vacant seats on the Glamorganshire Committee.

County Pharmaceutical Committees.

Anglesey.—R. H. Lewis (Llangefni); J. S. Thomas (Llanfair, P.G.); R. H. Williams (Cenmaes Bay); W. E. Pritchard (Beaumaris); J. A. Parry (Llanerchymedd); W. L. Jones (Menai Bridge); T. J. Pritchard (Llangefni); R. B. Jones (Amlwch).

Brecon.—J. Ward (Builth Wells); D. I. Williams (Llanwrtyd Wells); J. Parry (Talgarth); W. Gwilliam, W. T. Tudor, F. L. Stanton, and J. C. B. Morris (Brecon), J. F. Dayles (Hay).

Davies (11ay).

Cardiganshirc.—E. L. Jones (Aberaeron); T. Llewellyn (Cardigan); E. J. Davies (New Quay); B. T. Lloyd and W. M. Jones (Aberystwyth); T. Davies (Llandyssul); R. Evans (Lampeter); D. E. Davies (Boots, Ltd., Aberystwyth).

Carmarthenshire.—J. Nicholas (Central Drug Stores, Llandyssul); R.

dovery); E. Joncs and J. Davies (Llanelly); H. I. Williams (Boots, Ltd., Llanelly); J. H. Hughes (Llandilo); A. Arthur, W. Lloyd, and S. T. Rees (Carmarthen); E. Evans (Ammanford); W. M. Jenkins (St. Clears).

Carnarvonshire.—P. Evans (Carnarvon); H. Gibson and W. A. Roberts (Llandudno); W. Hughes (Conway); W. J. Jones and T. H. Williams (Bangor); W. G. Roberts (Llandafrifechan); E. R. E. Pritchard (Cwm-y-glo); O. R. Williams

(Port Dinorwic).

Denbighshire.-T. J. Roberts (Ruthin); C. G. Caldecott, Denbighshire.—T. J. Roberts (Ruthin); C. G. Caldecott.
J. B. Francis, and L. B. Rowland (Wrexham); F. J. Boardman (Abergele); J. E. Jones (Ruabon); T. L. Jones (Denbigh); J. W. Adamson (Colwyn Bay); I. Parry (Llanrwst); W. Neild (Boots, Ltd., Wrexham).

Flint.—W. T. Topping (Flint); T. E. Hughes (Prestatyn); S. Jones (Holywell); R. Barker (Buckley); T. C. Jones (Connahs Quav); D. Hughes (Mold); P. J. Ashfield and A. E. Silian (Rhyl).

Glamorgan.—W. Thomas (Gorseinon); W. O. Davies and D. Arnott (Pontypridd); A. Griffiths and G. I. Williams (Maesteg); W. J. Allen (Barry); W. E. Rees (Barry Dock); H. S. Arnold (Cwmavon); J. K. Morgan (Boots, Ltd., Barry Dock).

Dock).

Dock).

Merionethshire.—W. E. Evans (Corwen); H. W. Lloyde (Bala); J. Lloyd-Jones and H. Jones (Blaenau Festiniog); G. J. R. Wynhall (Aberdovey); G. W. Williams (Dolgelley); H. W. Williams (Barmouth); D. Jones (Towyn).

Monmouthshire.—F. E. S. Clarke (New Tredegar); W. P. William (Aberbargoed); E. O. Jones (Brynmawr); T. H. Pritchard (Abertillery); C. H. Clarke (Chepstow); H. T. T. Roberts (Abergavenny); W. Thornton (Blaenavon); H. W. Dix (Pontynool); F. W. Evans (Cwmfelinfach); A. Enocly (Blackwood); B. Thomas (Cwmbran).

Montaomeryshire.—J. O. Roberts, A. Breeze, and F. J.

Montaomeryshire.—J. O. Roberts, A. Breeze, and F. J. Nash (Newtown); D. Rees and J. K. Jones (Llanidloes); J. Thomas (Machynlleth); H. Payne (Welshpool); H. E.

Ellis (Llanfair).

Pembrokeshire.—W. H. Bowling (Pembroke Dock); B. P. Pembrokeshire.—W. H. Bowling (Pembroke Dock); B. P. Davies, F. D. Phillips, and J. L. Jenkins (Haverfordwest): H. P. James (Tenby); R. H. Trewecks (Pembroke); W. T. Thomas (Nevland); J. H. Llewellyn (Milford Haven).

Radnor.—W. S. Bound, T. P. Davies, W. W. Johnson, and R. H. Evans (Llandrindod Wells): Annie E. Wilson (Rhayader); J. Blower and G. M. Perkins (Knighton).

County Borough Pharmaceutical Committees.

Cardiff.—S. B. Eason, F. Edwards, A. Hagon, J. A. Jones, J. L. Jones, I. Joseph, E. Poole.

Merthyr Tydvil.—D. W. Evans and E. F. Harries (Dowlais); R. R. Davies, J. Francis, T. Jonkins, I. Owen, and V. A. Wills (Merthyr); J. Roberts (Penydarren).

Newport (Mon.).—E. E. Price, B. Harries, J. W. Phillips, T. Howell, C. C. Giles, A. O. Finlay, A. Gratte, and T. J. Badgett

Badgett.

Swansca.—E. Bevan. H. L. Havard, T. Jones, J. Rees., E. W. Richards, and H. Richards (Swansca); W. T. Thomas (Gorseinon); B. E. Needham (Hafod).

Organisation of the Pharmaceutical Society.

To make clear the references to this scheme in the reports of the meetings which follow we print the draft in full :-

THE ORGANISATION OF THE SOCIETY.

1. It may be assumed that there are three well-defined classes in the business of pharmacy, thus:

(a) Pharmacists on the Panel.(b) Pharmacists not on the Panel.

(c) Firms and corporate bodies on the dispensing Panel.

2. All these should be members of the (d) Local Pharmaceutical Association.

The Local Association should have two Committees,

thus:

(c) Pharmaccutical Insurance Committee.—Consisting of the pharmacist members of the Pharmaceutical Committees elected pursuant to regulations governing Medical Benefit (statutory).

(f) General Purposes Committee.—Consisting of the Pharmaceutical Insurance Committee plus representations.

sentatives of Class (b).

3. (g) The Pharmaceutical Insurance Conference. Consisting of delegates elected by each of the Pharmaceutical Insurance Committees (e) to the extent of one for a committee of eight or less than eight; two for a committee of nine to twelve; three for a committee of thirteen-to sixteen; by ballot by each of the Pharmaceutical Insur-ance Committees (c). The Conference to meet half-yearly in London or other convenient centre according to its own choice. The first meeting to be in London on Wednesday, January 21, 1914.

4. Finally, it would be necessary to have a—

(h) Pharmaceutical General Committee on Insurance.

To be elected at the first meeting of the Conference (y). This Committee should consist of fifteen persons, nine to be appointed by the Pharmaceutical Council from the twenty-one members of the Council (six at least of whom to be pharmacists on the Panel), three to be elected by ballot after nomination by Pharmaceutical Insurance Committees (e) in England, and one from Wales. One to be appointed from Scotland and one appointed by firms and corporate bodies on the Panel (e).

DUTIES.

(d) LOCAL PHARMACEUTICAL ASSOCIATION.—In addition to the usual purposes fulfilled by Local Associations now, the Local Associations would organise and carry out by means of its Insurance Committee (e) everything necessary for the efficient administration of medical benefit in the

(e) PHARMACEUTICAL INSURANCE COMMITTEE.—All Insurance (e) PHARMACETTICAL INSURANCE COMMITTEE.—An Insurance matters would be delegated to this Committee. Its Secretary shall be the Secretary of the Local Association, and may be a salaried officer.

(f) GENERAL PURPOSES COMMITTEE.—Would be the General Executive of the Local Association for all matters outside

insurance.

(g) THE CONFERENCE would be the general link between the Pharmaceutical General Committee on Insurance and the Pharmaceutical Insurance Committees, and would con-stitute a kind of Electoral College for securing proper representation on Committee (h). It would systematise the opinions of the Local Committees and formulate resolu-tions and recommendations for consideration by the Com-mittee (h). mittee (h).

(h). PHARMACEUTICAL GENERAL COMMITTEE.—To this body everything appertaining to Insurance should be referred by the Pharmaceutical Society's Council. It will also consider the resolutions and the recommendations of the Con-Terence from time to time, and communicate in due course its decisions to Local Associations.

The Chairman of the Conference (g) to be the President of the Pharmaceutical Society.

The Secretary of Committee (h) shall be the Secretary of the Pharmaceutical Society.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

Airdrie. --The Insurance Committee has agreed to a list of emergency drugs and appliances, which has been approved by committees all over the country, that will cost 11. 12s. 9d. per month at the most.

Bath. - At the first meeting of the Pharmaceutical Insurance Committee, held at the Guildhall, Bath, on January 6. Mr. John Hawes was elected Chairman and Mr. W. J. Hallett appointed Secretary. The latter was also elected as delegate to the Pharmaceutical Insurance conference.

Bradford.-A meeting of the Bradford Pharmacists' Association was held at the rooms of the Bradford Chamber of Trade on New Year's Day, the Chairman (Mr. M. Firth) presiding, Mr. F. E. Burdett (Hon. Secretary) reported that acknowledgments of money paid by Insurance Committees to chemists do not need receipt stamps. The Chairman announced that in reduction of the 10 per cent. discounting announced that in reduction of the 10 per cent. discounting of the last quarter's bills, the local Insurance Committee had decided to apply 150?. of the Sanatorium Benefit Fund. The scheme for the organisation of the Pharmaceutical Society was considered. It was resolved that an amendment should be submitted to the conference on January 21 providing that all the members of the General Purposes Committee should be members of the local Associations. Upon the clause relating to the composition of the Pharmaceutical General Committee on Insurance, the Chairman said he was entirely opposed to the appointment of nine members by the Council of the Pharmaceutical Society, and he thought that there would be opposition to this all over the kingdom. He was of opinion also that, whatever might be the number appointed by the Council, these representatives should all be panel chemists. Mr. D. S. Priestley said it was clear that the Council of the Society wished to be in was clear that the Council of the Society wished to be in a position to dominate the Committee at all times. It was decided to propose an amendment for the appointment of six members only by the Council of the Pharmaceutical Society, all of whom should be panel chemists, while six should be elected for England, one for Wales, one for Scotland, and one by firms and corporate bodies. Messrs. C. W. Robinson and F. E. Burdett were elected as delegates to the conference, and were instructed to press for a direct inquiry to be made from the Chancellor of the Exchequer as to the future course of the Government in regard to discounting future course of the Government in regard to discounting. Members were informed that the Medical Officer of Health is sending test prescriptions to panel chemists for subsequent

Buckinghamshire.—The new chemists' list contains sixty names, an increase of two.

Darwen.-A local correspondent states that it is the intention of the County Council to establish a dispensary in this town in connection with the Insurance Act. One of the Council's medical officers was in the town on Tucsday inspecting certain premises with a view to utilising them for the purpose. [This can only refer to a tuberculosis dispensary, County Councils having nothing to do with Medical Benefit.]

Denbighshire.—At a meeting of pharmaeists in Chester on January 7 the following resolutions were passed:

on January 7 the following resolutions were passed:

1. That this joint meeting of the East and West Denbighshire Pharmaciets' Associations protests at the inadequate time given to summon Associations together and to give full and deliberate consideration to the proposed organisation of the Society, thus preventing resolutions being placed on the agendu.

2. That the delegates to the Conference be requested to support the Liverpool chemics's scheme of twenty-one members, viz.: Seven members of the Council, ten representatives of England elected on a territorial basis, two representatives for Wales, one representative for limited companies, with the suggestion that one of the Council members should be a Welsh representative.

Dorset.—A meeting of the Dorset County Pharmaciet.

Dorset.-A meeting of the Dorset County Pharmacists' Association was he'd at Dorchester on December 31 for the purpose of considering the Pharmaceutical Society's draft plan of organisation. Considerable interest in the subject was manifested, as shown by the exceptionally representative meeting. Mr. J. W. Cussons was appointed to attend the conference in London. It was suggested that after the first two half-yearly meetings the conference should be an annual one. After the first conference the expenses of the delegates should be borne by the Committee or Association sending the delegate. It was suggested that before Committee "H" is formed England shall be divided into nine electoral divisions, containing approximately an equal number of chemists in each. Each division to elect by ballot each year chemists in each. Each division to elect by ballot each year one representative to the Committee, every chemist on the pancl to have a vote in this election. Three members to be nominated by the Pharmaceutical Society from the twenty-one members of the Council; one to be elected by ballot after nomination from Wales, one from Scotland, and one appointed by the firms and corporate bodies on the panel. The expenses connected with the working of this Committee to be borne by the Pharmaceutical Society.—The first meeting of the County Pharmaceutical Committee was held the same day, when Mr. H. Ayre was elected Chairman and Mr. J. W. Cussons Secretary.

Ealing.—A meeting of the Ealing Pharmacists' Associa-

Ealing.—A meeting of the Ealing Pharmacists' Association was held at 6 High Street, Ealing, on January 7, with Mr. E. F. Striekland (President) in the chair. It was announced that the Association's first whist-drive will be held on February 11. The Hon. Secretary (Mr. G. W. Udalc) reported that he had visited the sixty-seven shops in the five districts allotted to the Association. Of these, sixty-three are on the chemists' panel and forty-seven had promised to become members. These were elected at the meeting. Of the remainder seven refused to in the Association. ing. Of the remainder, seven refused to join the Association and with five others the question of membership was in abeyance. Mr. A. E. Bailey (Secretary of the Middlesex Pharmacists' Association) attended to give information on Insurance matters, and expressed willingness to answer such questions as were put forward. The points raised related to the powers and duties of Pharmaceutical Committees. Mr. Bailey remarked that once Pharmaceutical Committees were elected it would appear that they were only responsible to Insurance Committees. The new system of checking prescriptions proposed in Middlesex under the surveillance of the Joint Committee of representatives of the Pharmaceutical Committee, and the Insurance Committee, was explained, and it was stated that ing. Of the remainder, seven refused to join the Association Insurance Committee, was explained, and it was stated that each would probably contribute its quota towards the expense. Mr. Bailey gave an amusing explanation of the secret history of the Middlesex Pharmacopæia, which is still unofficial. He pointed out some of the absurdities, and secret history of the Middlesex Pharmacopeia, which is still unofficial. He pointed out some of the absurdities, and said that the slipshod nature of the compilation was such that the Pharmaceutical Committee would not father it. Mr. Bailey promised to look into the question of doctors dispensing as regards the employes of the Metropolitan Water Board, and to ascertain if the Board's scheme of medical aid, which prevented chemists from obtaining prescriptions from these employes, was one coming within the terms of the Harmsworth amendment. A vote of thanks to Mr. Bailey ended the proceedings.

Eastbourne.—A meeting of the Eastbourne Pharmaeists' Association was held at the Queen's Hotel on December 50. 1913. There was a good attendance Additions to the P.A.T.A. were considered. It was thought that proprietors who wished for the goodwill of the trade should make the protection prices 1s. or face-value. Mr. Arthur Mills gave a brief account of an interview with the Insurance Com-

nittee. It was thought the deputation had done remarkably well. Arrangements were made for the supply of Insurance medicine after the usual business hours. It was arranged for the majority on the list to be starred, ensuring ample facilities for obtaining urgent medicines. The Pharample tacilities for obtaining urgent hedicines. The Harmaceutical Society's draft scheme of Federation was discussed at length. It was proposed by Mr. Mills, and seconded by Mr. H. C. Browne, that the number appointed by the Council should be five, and that seven be elected by ballot after nomination by the Pharmaceutical Committee.

—The Secretary of the Pharmaceutical Committee is Mr.

D. Marchant, 1 Rockingham Place, Eastbourne.

Exeter.-A meeting of the Exeter Association of Pharmacists was held on January 2, Mr. E. Lemmon in the chair. There were eight others present and Mr. F. W. Vinden (Hon. Secretary). A letter from the National Health Commissioners stated that a minimum charge per prescription could not be allowed, and that certain paragraphs appended to the Drug Tariff were not suitable for incorporation in a legal document. Mr. P. F. Powell and the property of th graphs appended to the Drug Tarin were not suitable for incorporation in a legal document. Mr. P. F. Rowsell said that similar letters were being sent out to other bodies, but he thought the minimum fee should have been allowed, seeing that the Medical Committee and the Insurance Committee that the Advantage of the State of the mittee supported the application. The decision of the Commissioners was accepted under protest. The members then discussed the new Federation scheme of the Pharmacentical Society, the proposed composition of the Pharmaceutical General Committee on Insurance being particularly criticised. It was agreed that the majority of the members of the Pharmaceutical General Committee on Insurance should be elected by the delegates. The President was appointed to represent the Association at the conference.— At the first meeting of the Pharmaceutical Committee on Wednesday, December 31, 1913, Mr. P. F. Rowsell was elected Chairman and Mr. F. W. Vinden Hon. Secretary. The Committee will meet quarterly.

Flint.—Mr. P. J. Ashfield presided at a meeting of the Flints Pharmacists' Association on January 1, when the Pharmaceutical Society's organisation scheme was discussed, and the general principles of the same were considered satisfactory, but it was unanimously agreed that nine members appointed by the Pharmaceutical Council on the General Committee is too large a proportion, and would not meet with the approval of pharmacists generally, as it would not give sufficient direct representation from the Associa-It was decided to suggest at the conference that the Society should appoint five, the Pharmaceutical Associations in England five, Wales two, Scotland two, and cor-porate bodies one. It was resolved: "That this Association, after twelve months' experience of the working of the Act, riews with very great dissatisfaction the disparity in the remuneration that exists between the medical and pharmaceutical service, and feels that chemists are not being paid equitably for their onerous duties." Several members of the Association promised to join the Pharmaceutical Society. It was reported that the 1914 Tariff had been passed by the Insurance Committee, but the Commissioners had refused to sanction the fee for copying Rept. Mist. forms, and that this matter would therefore be again orought up before the Panel and Pharmaceutical Committees for amicable understanding.

Glamorgan. The Pharmaceutical Committee met at the Glamorgan County Hall, Cardiff, on January 1. Mr. Alfred Griffiths (Maesteg) was elected Chairman. Messrs. D. Arnott and Oswal Davies (Pontypridd), W. J. Allen, W. E. Rees, and King-Morgan (Barry), H. Shaw-Arnold (Cwmavon), Tyrynis Thomas (Gorseinon), and G. I. Williams (Maesteg) Tyryns Thomas (Gorseinon), and G. I. Williams (Maesteg) also being present. The three vacancies were filled by the appointment of Mr. T. Llewellyn, sen. (Ogmore Vale), Mr. J. Blake Benjamin (Penarth), and Mr. Emrys Evans (Aberdare). Mr. G. I. Williams was appointed Secretary and Mr. Oswal Davies Vice-Chairman. It was agreed that the Sub-Committee should consist of the Chairman, Mr. D. Arnott, and the Secretary. The Chairman and Mr. Arnott were appointed to represent the Committee at the London meeting on January 22. meeting on January 22.

Grimsby. - At a meeting of the Grimsby Pharmacists' Association on Monday, December 29, 1913, Mr. H. W. Colley Association on Monday, December 29, 1913, Mr. H. W. Colley was elected to represent the Association at the London conference. It was resolved: "That this Association strongly condemns the action of the Pharmaceutical Council in selecting nine of its members to the Pharmaceutical Standing Committee on Insurance. It considers these members should be equally divided, one section to be elected by members of the Pharmaceutical Society and the other by pharmacists on the panel."

Hertfordshire At a consideration of the Westerlandshire At a consideration of the Westerlandshire.

Hertfordshire.—At a special meeting of the Watford Pharmacists' Association on December 29, 1913, Mr. W. Hannaford presiding, it was resolved, in respect to the Pharmaceutical Society's reorganisation seheme: "That this meeting of the Watford and District Pharmacists' Association disapproves of the majority of the Council on Committee 'H,' and that this be reduced to seven members. That five, instead of three, be elected from among the delegate:

present at the Conference to be held on January 21, 1914."

Leeds.—At the meeting of the local Chemists' Association on January 7, Mr. G. W. Overend presiding. Mr. Beacock opened a discussion on the Pharmaceutical Society's organisation scheme, describing it as an excellent basis to work on. Ultimately it was agreed, on the motion of Mr. Brownhill, seconded by Mr. Johnstone, to support it, and to instruct the delegates accordingly. Reporting on the prescriptions of the past quarter, Mr. S. R. Mundelf there had been no serious reason for complaint, but he still found a few bad reckoners among the chemists. He had had several eases in which he had had to add money. He had had one case in which 200 prescriptions had to be altered, and at the finish it was only a matter of 2d. in the total. Mr. J. H. Beacock and the Secretary (Mr. II. Gillegan) were appointed to represent the Association at the January 21 conference.

Leicestershire.—At a meeting of the Insurance Committee on January 7 it was reported that a further conference had been held with the Borough Council on the question of apportionment of the cost for checking the chemists accounts. The estimated cost is 180% per year, and it was decided, that the chemists should now one third and that accounts. The estimated cost is 1800, per year, and it was decided that the chemists should pay one-third and that the balance should be paid by the Borough and County Councils pro rata, according to the number of prescriptions.

Eincoln. – The Insurance Committee have decided that the medical adviser (Dr. Coleman), instead of providing drugs, etc., for insured persons and their dependants attending the tubercules discensive the standard preserve.

ing the tuberculosis dispensary, shall give special prescriptions to be dispensed by any panel chemist.

London.-Mr. Edmund White presided at a meeting of the Executive Committee of the London County Pharmacists Association on December 30, 1913. The Secretary (Mr. G. A Association on December 30, 1913. The Secretary (Mr. G. A. Tocher) reported that an emergency meeting of the subcommittee was called on December 5 to settle outstanding matters not approved by the Commissioners. The sub-committee finally agreed to: (1) The deletion of the prescription copying-fee; (2) withdrawal of the 1d. minimum value of prescriptions; (3) deletion of paragraphs in the notes at the end of the Tariff headed "Appliances," "Disinfectants," "Foods," "Trusses, etc.," "Wines and Spirits." These particulars were incorporated in the Secretary's report to the London Insurance Committee. With regard to the complaint concerning homeopathic medicines, the Secretary was instructed to obtain the views of the chemists in questions. instructed to obtain the views of the chemists in question before replying to the Insurance Committee's letter. agreed to hold a conjoint meeting of London and Middlesex pharmacists to discuss the Pharmaceutical Society's reorganisation scheme, and that the secretaries of the adjacent county and county borough Associations be invited to attend.—The Secretary sends us a letter (too late to include in our Correspondence Columns) asking panel chemists to send in their accounts promptly. He adds: "Delay in payment is an injustice to those who have had to bear the heaviest financial strain during the past quarters, and to avoid this injustice all chemists should make a point of submitting their accounts for the fourth quarter as soon as possible after January 11.

Manchester.—The statutory Pharmaceutical Committee held its first meeting in the Insurance Committee's offices on January 5, when all twelve members attended. Mr. F. W. Bates was elected Chairman, Mr. Harry Kemp Vice-Chairman, and Mr. G. A. Mallinson Secretary. A local chemist, under the nom de plume "One of Trem." complains bitterly in the correspondence columns of the "Manchester Guardian" for January 5 of the treatment meted out to chemists during the past year, especially as regards payment for their services. Local organisation is now on such a firm basis that his chemist confrères would prefer him to forward his grievances to the Pharmaceutical Committee, instead of ventilating them in the public Press. The medical profession in this area is likely to be involved in keen controversy owing to the proposal of the new Pane? Committee to restrict the amount credited to any panel practitioner to not more than 800*l*, per annum. The scheme which has been circulated is as follows:

which has been circulated is as follows:

1. The Panel Committee shall ascertain from the monthly accounts rendered by practitioners the average cost per patient in respect of the treatment given by each practitioner during each month, and may, if they so think desirable, take the general average cost per patient in respect of the treatment given to the whole of the patients within the area of the Insurance Committee for each monthly period as the basis upon which the amount to be credited to each practitioner shall be determined. provided that, if the Panel Committee so think desirable, such amount shall not exceed in the aggregate a sum of £800 per annum.

annum.

2. The Panel Committee shall ascertain from the monthly accounts rendered by (a) practitioners and (b) chemists and con-

tractors undertaking to supply drugs and appliances, the average cost per patient, the average value per prescription, and the average number of prescriptions per patient in respect of the prescriptions given by each practitioner during cach month, and may, if they so think desirable, take the general average cost per patient, the general average value per prescription, and the general average number of prescriptions per patient (or any of them) in respect of the prescriptions given to the whole of the patients treated within the area of the Insurance Committee for each monthly period as the basis upon which deductions to be made from the amounts payable to practitioners shall be determined.

Medical mcn in industrial districts are strongly against the new proposal, as this limits the income but not the amount Opinion in favour of adopting the capitation payment system as general throughout the country is growing. ment system as general throughout the country is growing. In this connection the payments to panel doctors are of particular interest. The accounts of the 285 doctors on the Manchester panel for the eight and a half months which ended on September 29, 1913, shows that the average number of patients was nearly 40,000 each month from the 266,861 insured persons. The attendances numbered over 100,000 per mensem. The doctors' gross bills for the first three quarters were 105,761\(\mathcal{L}\), and the net amount 107,434\(\mathcal{L}\). Cash paid on account amounted to 62,639\(\mathcal{L}\), being 58\(\frac{1}{3}\) per cent. of that claimed. The rate of pay works out at 1s. 2\(\frac{1}{3}\)d. per eonsultation for the best-paid doctors and 8\(\delta\). for the worst-paid medical men. It is evident that an excessive number of medical men. It is evident that an excessive number of attendances have been made as compared with those in other areas. No doubt there will be considerable diminution, as the excess only diminishes the rate of payment per attendance. This will benefit chemists by reducing the demands on the Drug Fund in corresponding degree.—The Medical Committee has issued to medical men instructions to be observed in prescribing. The circular is accompanied by a list of substitutes for proprietary drugs, and a list of articles disallowed by the Pharmaceutical Committee.

Middlesex. -It was reported to the Middlesex Insurance Committee on January 5 that 287 chemists had signed the agreement under the Insurance Act, as compared with 292 last year. Permission was granted for medical superintendents of institutions under the control of the Mctropolitan Asylums Board to do the dispensing for the insured members of the staffs. The Committee decided to suggest to the Panel Committee and to the Pharmaceutical Committee that if those bodies desired to form a joint committee for the purpose of checking chemists' accounts, the Insurance Committee would be prepared to grant a subsidy towards the cost of the checking, provided that it had representation upon the joint committee, and subject to a preliminary estimate of the cost and such supervision as the Insurance Committee thought desirable.

Norwich. The second quarter's accounts from chemists amounted to 6781. 19s., but the Pharmaceutical Standing Committee reduced this to 6681. 18s. 11d. The third quarter's accounts are now in the hands of the same Committee, so it was reported at a meeting of the Insurance Committee; also that the new agreements with the chemists had been completed. The Committee recommended that chemists should be paid what was due to them up to January 11, and that the Pharmaceutical Standing Committee be paid 141, 19s. 6d, for checking the second quarter's prescriptions. Some remarks were made as to the cost of checking, and the question of continuing the present system was reserved.

Salford .- It appears that the Insurance Commissioners were unwilling to sanction the suggested variations chemists' agreements in accordance with the proposed Salford scheme (C. & D., December 20, 1913, p. 68), but chemists have signed agreements for another year on the under-standing that the scheme will in substance be worked under Clauses 39 and 40 of the new draft regulations as regards

Clauses 59 and 40 of the new draft regulations as regards surcharging excessive or extravagant prescribing.

Scarborough.—Mr. G. H. Meadley presided at a meeting of the Scarborough and North Riding Association of Pharmacists at Scarborough on December 30. The Pharmaceutical Society's scheme for federating the new Pharmaceutical Committees was carefully considered, and the proposed Pharmaceutical General Insurance Committee did not meet with the entire approval of the meeting. Messrs. G. Whitfield and C. C. Laverack (Malton) were appointed to represent the Association at the conference on January 21, when the former will move:

when the former will move:

"That this Committee should consist of seventeen persons, six to
be appointed from the twenty-one members of the Council, three
of whom to be London and three provincial representatives, and
not less tham four of these to be pharmacists on the panel, two
from Sootland, two from Wales, and one from firms and corporate
bodies, and six to be e'ected by ballot from members of the Pharmaceutical Insurance Conference."

The third Thursday of each month was fixed as the date for holding the meetings of the Association, and the places of such meetings were decided on. The relation to the pharmacists of the town of a recently issued circular of the Scarborough Town Council respecting the weekly half-holiday and other matters of local interest were also discussed.

Selkirkshire. - The Insurance Committee has agreed to allow doctors who dispensed last year to continue on the same terms for one quarter, in order to give time for fuller consideration of the matter.

Sheffield. - Mr. H. Antcliffe presided at a meeting called by the Sheffield Pharmaceutical Organisation Committee of the panel chemists to consider the scheme of organisation issued by the Pharmaceutical Society. He explained the scheme, and moved:

"That the Sheffield pharmacists feel that every endeavour should be made to procure every qualified man as a member of the Loca. Pharmaceutical Association, but are not of opinion that firms and corporate bodies, as such, should be admitted into the local Associations."

Mr. J. T. Appleton scconded, and after some discussion the Mr. J. T. Appleton seconded, and after some discussion the motion was carried unanimously. Mr. J. T. Appleton, dealing with No. 2 on the scheme, moved that (e) Pnarmacentical Insurance Committee should be deleted, and that (f) General Purposes Committee should read: "That the Council of the local Associations as elected, according to their own rules, shall form the General Purposes Committee." This was seconded by Mr. J. G. Jackson, and after several members had spoken the resolution was carried. Messrs. H. Antcliffe and J. G. Jackson were appointed delegates to attend the conference on January 21. A very lengthy discussion took place on the formation and composition of the cussion took place on the formation and composition of the Pharmaceutical General Committee on Insurance, the general feeling being that the proposed composition of the Committee is not on sufficiently democratic lines. Mr. J. T. Appleton moved that the Committee be made up as follows:

1 President of the Society | as cx officio members.

1 Secretary of the Society | as cx officio members.

1 Secretary of the Society 1

1 Ten pharmacists for England.—To be elected.

1 One pharmacist for Wales.—To be elected.

1 One pharmacist for firms and corporate belies.—To be appointed.

1 One pharmacist for Scotland.—To be appointed.

In seconding this, Mr. J. Gilbert Jackson said it follows out the recommendation he brought before the organisation meeting held at the Royal Victoria Hotel, that the Com-mittee should be constituted through the various Insurance mittee should be constituted through the various insurance Committees. The motion was carried unanimously. Under Duties (e), Mr. Newsholme moved that it should read: "Pharmaceutical Insurance Committees.—All Insurance matters would be delegated to this Committee." Mr. Revmatters would be delegated to this Committee." Mr. Revnolds seconded. An amendment was moved by Mr. J. T. Appleton, and seconded by Mr. Chadwick, that the following be added: "Its Chairman should, as far as possible, be the President of the lecal Society." The amendment was lost. It was decided that under Duties (h), after the words local Associations, should be added "and local Pharmaceutical Insurance Committees." Mr. E. Haining made a strong appeal to the members for subscriptions to the Pharmaccutical Benevolent Fund, and suggested that a list of non-subscribers should be got out. and that one or two Pharmaccutical Benevolent Fund, and suggested that a list of non-subscribers should be got out, and that one or two members in each district should make it a duty to call upon them.—At a meeting of the Pharmaceutical Committee convened by the Town Clerk at the Town Hall on January 6, Mr. Siddall, Chief Clerk to the Insurance Committee, presided. Mr. H. Antcliffe was cleeted Secretary, Mr. J. Gilbert Jackson Chairman, and Mr. A. H. Culverhouse Vice-Chairman. Messrs. J. G. Jackson, J. T. Appleton, and H. Antcliffe were appointed members of the Pharmaceutical Service Sub-Committee. Mr. Antcliffe, as reton, and H. Anteliffe were appointed members of the Pharmaceutical Service Sub-Committee. Mr. Anteliffe, as retiring Chairman of the Organisation Committee, proposed a vote of thanks to Mr. Siddall for presiding, and for the courtesy extended at all times to the members of the Committee during the past year. Mr. Jaekson seconded, and was supported by Mr. Culverhouse as retiring Secretary.—
The estimated amount available for the discharge of the chemists' accounts will be somewhere between 90 per cent. and 100 per cent.—At the Insurance Committee meeting held on January 7 the recommendations of the Medical Benefit on January 7 the recommendations of the Medical Benefit on January 7 the recommendations of the Medical Benefit Sub-Committee were adopted, after having had two conferences with the medical men and pharmacists, who had agreed that foods and secret remedics should not be charged to the Drug Fund, and that the Medical Committee should recommend the profession that they should prescribe from the Tariff as its stands as far as possible and in reasonable quantities. Dr. Gordon spoke on behalf of the doctors, and Mr. Newsholme for the chemists.

Southamnton.—At the first mosting of the Pharmacian of the Pharmacian and the standard professional stan

Southampton.—At the first meeting of the Pharma-ecutical Committee on January 6 Mr. F. B. Wride was appointed secretary. The meeting was adjourned in order to appoint the members of the two statutory sub-committees.

South Shields.—At a meeting of the Insuranco Committee on January 5 a report on the drug account from

he local Pharmaceutical Committee was submitted. The pinion was expressed that the state of the Drug Fund is due o several contributory factors, the most obvious and imporo several contributory factors, the most obvious and imporant being the number of prescriptions dispensed in proportion to the total number of insured persons, which is ery considerably in excess of the numbers in neighbouring oroughs, owing to excessive sickness. Further, in other owns a formulary has been adopted, and results in a eduction of the average cost of a prescription. The chemists elieved that a considerable cost is now borne by the Drug Fund which is properly chargeable to the isnatorium Fund, and the prescribing of proprietary medities also raised the cost. The report has been referred to the local Medical Committee.

Staffordshire.—All the chemists on the panel have re-

Staffordshire. - All the chemists on the panel have reoined, the revised Drug Tariff having been accepted with

light alteration.

Stirling.—The following have been elected the Pharmaccutical Committee for the county: Falkirk Burgh.—Messrs. R. Gordon Drummond, R. Sinclair, and Alexander Smith (Falkirk), David Dunnet (Bainsford), and Arthur McLaren (Camelon); Stirling County.—Messrs. A. T. Pae (Stenhousemuir), J. W. Bennio (Polmont), E. H. Anderson (Denny), John Bain (Bridge of Allan), John Walker (Stirling), Robert Marshall (Grangemouth), and R. Gordon Drummond.

Stoke.-The Medical Benefit Sub-Committee, after hearing a deputation on the matter, decided to continue the present method of checking prescriptions. However, the Insurance Committee on January I appointed a sub-committee, consisting of Mr. Edmund Jones (Chairman), Mrs. Oliver, and Dr. Russell, to report as to an alternative

West Bromwich.- The first meeting of the Pharmaceuti-West Bromwich.—The first meeting of the Pharmaceutical Committee was held at the Insurance Committee's offices on Wednesday, January 7. Messrs, Allen, Edgson, Evans, Beattie, Barnes, Osborne, and Kemsey-Bourne were present. Mr. Osborne was elected chairman and Mr. C. W. Kemsey-Bourne secretary. It was stated that the pricing of prescriptions had been done very accurately on the whole, and that there is little doubt that there will be enough moncy available to pay contractors in full. Messrs. Allen, Edgson, and Osborne were elected to serve on the Pharmaceutical Sub-Committee. One of the first duties of the Committee will be to compile a local formulary, in conference with the local Medical Committee. the local Medical Committee.

West Riding.—There is practically no change in the list of chemists, and the revised Tariff has been agreed upon. of chemists, and the revised Tariff has been agreed upon. The Insurance Committee on December 31, 1913, again refused to allow insured persons to make "special arrangements" for treatment of medical herbalists. In connection with this application by medical herbalists. Alderman H. Dunn, chemist and druggist, pointed out that practically everybody has the right to call themselves medical herbalists, and if the door is once opened it will be difficult for the Committee to decide who shall and who shall not be acknowledged. Mr. F. Pilkington Sergeant has been elected chairman and Mr. R. Broadhead secretary of the Pharmaceutical Committee for this area. Mr. Briggs has been nominated for co-option on the Medical Benefit Combeen nominated for co-option on the Medical Benefit Committee. Messrs. Norwood, Pickard, and Sargeant were cleeted to serve on the Sub-Service Committee.

Notes.

An Advertisement is inscrted in the Supplement of this issue by the Association of Certificated Dispensers, with the object of getting information regarding the effect of the Insurance Act on apothecaries' assistants.

NEW INSURANCE MEDICAL OFFICERS.—The National Health NEW INSURANCE MEDICAL OFFICERS.—The National Health Insurance Commission (England) have made the following additional appointments to their staff of medical officers: Edward William Adams, M.D. (Lond.), formerly lecturer in materia medica, pharmacology, and therapeutics at Sheffield University; James Pearse, M.D., C.B. (Edin.), M.O.H. to Trowbridge Urban District Council; William Sheineld University; James Pearse, M.D., C.B. (Edin.), M.O.H. to Trowbridge Urban District Council; William Vernon Shaw, M.A., M.D. (Oxon.), M.O.H. to Malton and Norton Rural District Councils; Barbara Martin Cunningham, M.D. (Edin.), D.P.H. (Camb.), assistant to the Medical Officer of Health and Resident Medical Officer at Clayton Vale Hospital, Manchester.

RUSSIAN PLATINUM EXPORT DUTY.—The Bill for the imposition of an export duty on crude platinum at the rate of 30 per cent. of its value, which has been referred to in previous issues of the C. & D., has been passed by the Duma, and is expected to bocome law in February.

THE ANNUAL IMPORTS of drugs and chemicals into Smyrna amount in value to about 100,000*l*., of which Germany sends goods to the value of 60,000*l*., France 20,000*l*., and Italy and the United Kingdom 10,000*l*. cach. The United Kingdom's share tends to increase, particularly in proprietary medicincs.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Essex (S.E.).—The annual meeting of the Essex (S.E.) Pharmaceutical Association was held on January 2 at Hotel Victoria, Southend-on-Sea. The Treasurer reported that a substantial balance is in hand. Under the exceptional circumstance that the district in April becomes a county borough, Mr. Heywood, J.P., the retiring President, was borough, Mr. Heywood, J.P., the retiring President, was prevailed upon to take another year of office. The other officers elected were: Vice-President, Mr. Carpenter, Westeliff: Hon. Secretary, Mr. E. A. Holloway: Treasurer, Mr. S. F. Body; Committee, Messrs. King, Johnson, Nowell, and Misselbrook. Mr. C. Goode was co-opted to assist the committee. The policy of the Association with regard to the Pharmaceutical Society's scheme for Federation was left in the hands of Messrs. Heywood and Goode. It was decided to hold a whist-drive, the details being left in the hands of Messrs. Bush, Body, and Johnson. Sympathetic reference was made by the President to the death of Mr. Langaster. was made by the President to the death of Mr. Lancaster. A resolution was carried that members at each meeting be asked to contribute 3d. towards the Pharmaceutical Society's Benevolent Fund. The first collection made at the meeting received substantial support.

West Bromwich. - The formation of a local Pharmaceutical Association has been deferred for some time, but it has now been decided to hold a meeting at Mr. Rex Allen's on Sunday, January 18, to fully consider the matter.

FESTIVITIES.

"Wellcome"-ing the New Year.

THE Wellcome Club and Institute held it's New Year Party at Dartford on January 3. The programme of dances was interspersed with musical items and games. One topical song related to "'Tabloid' Brand Shakespeare, B.P. or Better." Prizes were presented to the winners of the games, and there was also an exhibition of curios in one of the drawing-rooms.

Thirtieth "Extract Dinner."

THE thirtieth annual "Extract Dinner" of Messrs, Newbalk Mason, Nottingham, was held on December 30, 1913, when the spirit of the festive season was well upheld. The chair was taken by Mr. B. Deaville. The excellent programmo included over twenty songs, several recitals, cornet solo, and an amusing sketch. The programme, which was printed at the firm's printing department, was interspersed with apt poetic quotations.

A Centenary Celebration.

At the Bee Hotel, Liverpool, on January 5, a dinner was held to commemorate the hundredth anniversary of the foundation of Messrs. Clay, Dod & Co., wholesale druggists, 52 St. Anne Street. Mr. Charles Tunnington occupied the chair, supported by Messrs. J. J. Wicks and C. E. J. Sendall, and the majority of the employés were represented in the large attendance. The health of "The Duko of Lancaster" having been honoured, the Chairman proposed the toast of "The Firm," which was responded to by Mr. F. Jones, who gave a brief outline of the history of the firm since 1815, when St. Anne Street was a residential suburb. Mr. Robert Clay, the founder, resided at the business premises in the early days, and also interested himself in literature and art. "The Management," proposed by the Chairman, occasioned a hearty welcome, and was acknowledged. At the Bee Hotel, Liverpool, on January 5, a dinner was the Chairman, occasioned a hearty welcome, and was acknowledged by Messrs J. J. Wieles and Company of the Chairman occasioned a hearty welcome, and was acknowledged by Messrs J. J. Wieles and Company of the Chairman occasioned by the Cha the Chairman, occasioned a hearty welcome, and was acknowledged by Messrs, J. J. Wicks and C. E. J. Sendall. To the toast of "The Travellers" Mr. W. J. Williams and Mr. A. G. Duckers replied. Mr. R. H. Fletcher replied to that of the "Office Staff," and Mr. W. Burd responded on behalf of the warehouse. There was an excellent musical programme, and mention should also be made of the "Pharmaceutical" menu, into which were cleverly introduced many galaxicals and meaning the statement of the statem maceutical" menu, into which were cleverly introduced many galenicals and proprietary food-products.

At Frascati's.

A FORTUITOUS concurrence of events. illness principally, combined to make the attendance at the Cinderella Dance of the Western Pharmacists of London somewhat smaller than usual. It was held at the Restaurant Frascati on January 7, but those who were present made up in jollity for what they may have lacked in numbers. In that particular they were quite 120 strong, and this was mainly owing to the "genial John D." (as his intimates know Mr. J. D. Marshall, the

President and M.C.) and his equally genial and quite irrepressible lieutenant, Mr. R. E. Lownsbrough. Among others who contributed to the general enjoyment of the evening were Mrs. John D. Marshall, Mr. Alan Francis, Mr. and Mrs. Edmund White (with their two sons), Mr. and Mrs. F. Crossley Holland, Mr. and Mrs. Lionel Cooper and Mrs. F. Crossley Holland, Mr. and Mrs. Lionel Cooper and Miss Cooper, Mr. and Mrs. Charles Brooks, Mr. H. Raithby Procter and Miss Procter, Mr. and Mrs. R. D. Dixon, Mr. and Mrs. W. Browne, Mr. and Mrs. B. W. Wilkinson, Mr. and Mrs. H. B. Everson, Mr. and Mrs. A. W. Roberts, Mr. R. H. Brittain, and Mr. C. S. Presant. The dancing began at 8 P.M. (the President and Mrs. Marshall having "received" the guests beforehand), and a much supprepared break for supprepared by the factors of the famous baleous took. appreciated break for supper on the famous balcony took place about half-past nine. Thereafter dancing was resumed with renewed vigour, and a fine touch on the President M.C.'s part was the introduction of a "Tango Extra." This provided an opportunity for Mr. Alan Francis, Miss Skinner, and one or two others to give a graceful exhibition of this much-discussed dance. So pleased were the company that Miss Skinner and her partner were prevailed upon to give an encore.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, January 13.

Oldham Pharmaceutical Association, Café Monico, Union Street, at 3 P.M. Open meeting.

at 3 p.m. Open meeting.

Wednesday. January 14.

The Forty-eighth Annual Chemists' Ball, Whitehall Rooms, Hôtel Métropole, London, W.C., at 9 p.m. Tickets (lady's 12s. 6d., gentleman's 17s. 6d., including refreshments, supper, and wine) may be had from the Stewards or Mr. Alan Francis, 22 to 30 Graham Street, City Road, London, N.

Derby Pharmaceutical Association, St. James' Hotel, at 8 p.m. Annual dinner. Tickets (4s. each) from Mr. Walter Riley, Hon. Secretary, 47 Mount Street.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8.30 p.m. Communications by Mr. W. L. Thomson. B.Sc., and Mr. D. Grieve Manchester Pharmaceutical Association, Whist-drive. Newcastle-on-Tyne Pharmacists' Association, Hôtel Métropole, Clayton Street West, at 8 p.m. Ordinary meeting.

Thursday, January 15.

rth London Pharmacists' Association, St. Padarn's Hall, Gloucester Road, Seven Sisters Road, Holloway, N., at 3.30 p.m. Mr. A. W. Bromley on "The Art of Writing Advertisements."

Peterborough Chemists' Association.—The annual dinner will be held at the Grand Hotel on February 5. Tickets (5s. each) from Mr. H. E. Noble, Hon. Secretary.

JUNIOR PHARMACY BALL.—The date for this has been fixed for March 11. The Hon. Secretary is Mr. B. R. Wilkinson, Ph.C., 23 Cromwell Place, South Kensington, S.W.

NORTH LONDON PHARMACISTS' ASSOCIATION.—A concert and whist-drive will be held in the Florence Hall, near Seven Sisters Road, on the evening of January 22. Among the artistes will be slevoted to the Pharmaceutical Benevolent Fund. Mr. C. W. Matthews. 6 Fortess Road, N.W., is acting as Hon. Secretary of the Social Sub-Committee.

the Social Sub-Committee.

London County Phramacists' Association.—The first annual dinner is to be held in the Gordon Hall. Restaurant Fracati. London, W., on Thursday, February 5. Tickets (7s. 6d. each) may be obtained from the Secretary, Mr. G. A. Tocher, 191 Manwood Road, Crofton Park, London, S.E. The chair will be taken by Mr. E. White (President of the Pharmaceutical Society), and it is hoped to arrange that the Presidents of the local Associations will preside at the spur tables. Ladies are invited to be present.

Late Law.

Gregory's Powder.—Before Mr. Byron at the Old Street Police Court on January 7. Mr. Sam Briggs, chemist, 31 The Broadway, Crouch End, appeared on a summons issued against him by the Shoreditch Borough Council for selling rhubarb and magnesia made with magnesium carbonate, instead of Gregory's Powder, the article asked for. He pleaded guilty. Mr. C. H. Kirby, solicitor, appeared on his behalf, and stated that it was a perfectly harmless substitution, and was done without intention to defraud. The Stipendiary imposed no penalty, but charged Mr. Briggs with costs. Mr. Briggs with costs.

CITRIC ACID.—At Old Street Police Court on January 7, before Mr. Byron, Mr. Herbert Walker, chemist, 78 East Road, Hoxton, was summoned by the Shoreditch Borough Council for selling powdered citric acid containing 15 per cent. of boric acid. A plea of guilty was tendered. Mr. council for selling powdered citric acid containing 15 per cent, of boric acid. A plea of guilty was tendered. Mr. C. H. Kirby, solicitor, representing the Chemists' Defence Association, stated that Mr. Walker's twenty years' business had been a clean one. He explained that the acid was chiefly used by the public for the preparation of homemade lemonade. The boric acid was present in the sample in such small quantities as to be absolutely harmless, and the adulteration was accounted for by an accident on the the adulteration was accounted for by an accident on the part of an assistant. The Stipendiary imposed a fine of 20s., with 23s. court costs.

BANKRUPTCY REPORT.

Re George Carl Mares, 69 St. John Street, London, Re George Carl Mares, 69 St. John Street, London, E.C., managing director of the Old Fort Chemical Co., Ltd.—The first meeting of creditors under this failure was held at the London Bankruptcy Court on January 7 before Mr. W. P. Bowyer, Official Receiver, who stated that the debtor roughly estimated his liabilities at 900l. and valued his assets at 180l. It appeared from the debtor's statements that some seven or eight years ago he was appointed manager in England of the businesses of J. W. Kidd & Co. and the Old Fort Chemical Co., both of which were incorporated companies in the United of which were incorporated companies in the United States. He received a joint salary of 6l. 6s. a week until States. He received a joint salary of 6l. 6s. a week until the autumn of 1910, when the proprietor of those businesses withdrew from the English field and abandoned the premises in St. John Street. The debtor took over and continued the business of the Old Fort Chemical Co. with capital raised by the sale of his personal belongings, and traded with success for the first year, but then suffered through the railway strike and dry summer of 1911, which caused his advertisements to be a dead loss. At the end of that year he was about 400l. behind, but cut down expenses and continued to trade with the help of horrowed expenses and continued to trade with the help of borrowed money. In June last he was introduced to a Mr. Sumner. money. In June last he was introduced to a Mr. Sumner, who promised to provide money for the business, as he had a fund waiting for a good investment. The debtor accordingly paid 20th towards the expenses of registering the Old Fort Chemical Co., Ltd., of which he was appointed managing director at a salary of 152t. 10s. per annum, and in that capacity continued the business, and incurred liabilities, for which he gave his personal guarantee. It was found impossible to raise true precedent. and incurred liabilities, for which he gave his personal guarantee. It was found impossible to raise the necessary capital on debentures of the company, as had been promised by the promoter, and as a result the business has been closed. Several creditors recently obtained judgment and levied execution, the Sheriff being in possession at the dato of the receiving order. The debtor attributed his failure and insolvency to the expenses of advertising his patent medicines having been in excess of the profits, and to the falling through of the debenture issue. In the absence of any offer the estate was left in the hands of the Official Receiver to be wound-up in bankruptey.

C. & D. Diary, 1914.

EACH copy of The Chemist and Druggist Diary for 1914 sent to subscribers at home and abroad contained a card coupon entitling the receiver or his deputy to compete for

Ten Guineas in Prizes.

Card 1 of the coupon is reserved for answers to the following questions in regard to the Diary advertisements:

Which is the smartest advertisement?

2. Which is the most tempting advertisement?
3. Which is the most novel advertisement?
4. Which is the most useful advertisement?

Which advertisement is best for business?

Card 2 is for synthetic sentences of not more than Sixteen words selected from the *Diary* advertisements. Subscribers are requested to fill in either card or both and post to us as soon as possible.

The Diary is now out of print.

TRADE REPORT.

prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., January 8.

DUSINESS has now been fully resumed on the markets, but few price-alterations have been recorded. Bellalonna-root is very firm and tending dearer. Chamomiles are quiet. Glycerin is firm, with little offering from econd-hands. Opium is also firm, but the market has arely re-opened. Menthol is steady to arrive. Florenine orris and cannabis indica are dearer than last quoted. Quinine is firmer, with a fair inquiry from second-hands. The Sicilian essences, such as bergamot, lemon, and orange, are tending easier. Bourbon geranium oil is cabled dearer. Cream of tartar is 6d. dearer, tartaric unaltered, but in better demand for forward delivery; citric is flat and lower. In "outside" articles, turpentine is higher and shellac lower. The principal changes of the week are as follows:

Higher	Firmer	Easier	Lower
Belladonna- root Cannabis indica (E.I.) Cream of tartar Gamboge Geranium oil Podopbyllum- root	Damiana Opium (Persian) Orris (Flor.) Quinine (sec. hands)	Aloes (Cape) Bergamot oil Burdock-root Cardamoms Cinnamon Lemon oil Orange oil Senna (Tinn.) Stillingia	Citric acid Kola Nutmegs Shellac

Cablegram.

New York, January 7.—Business in drugs is quiet. Opium is easier at \$6.00 per lb. for druggists'. Peppermint oil in tins is steady at \$3.50. Acetone is lower at 12c. Mexican sarsaparilla is also lower at 24c. per lb. Curação aloes in cases is firmer at $7\frac{1}{2}c$. Senega is steady at 63c. Jalap is lower at 14c., and mandrake-root is nominal at 9c. per lb.

London Markets.

ACETONE remains cheap at from 57l. to 58l. per ton, landed terms.

ALMOND OIL is firm at 2s. 6d. for sweet (B.P.).

AMERICAN DRUGS.—The following are current quotations for original packages of herbs, leaves, roots, etc., for shipment from the U.S.A. on c.i.f. terms, unless otherwise indicated: Barks—Bayberry, 40s. per cwt.; black haw of root, 8d. per lb.; dogwood, 4½d.; elm, 5½d.; euonymus, 2s. ex warehouse to arrive; sassafras, 7d.; wild cherry, 4d. net to arrive; witchhazel, 2½d. to 3d. per lb. c.i.f. to arrive. Herbs—Lobelia, 4½d.; scullcap, 9d. Leaves—Damiana, 6d.; witchhazel, 3½d. Roots—Blue flag, 7d.; burdock, 6d.; elecampane, 4¼d.; gelsemium, 3½d.; culvers, 7½d.; bloodroot, 5¾d.; serpentary, 1s. 9d. net ex warehouse; and stillingia, 3½d. per lb.

Belladonna-root is very firm and tending dearer at 45s. per cwt.; there is a fair inquiry. In the drug-auction four bales testing .520 per cent. (Parry) were held at 45s.

BERGAMOT OIL has an easier tone, cables quoting immediate shipment of 38-per-cent. esters at 21s. 6d. per lb. c.i.f. terms; the spot value is 22s. 3d.

A Sicilian advice dated January 3 states that the market is slowly easing down, owing to the gradual increase in the pressings and to the general lack of special interest. Consumers abroad are buying from hand to mouth, and, as far as local trade is concerned, the genuine part of same follows the same policy as consumers; while speculating producers, who are interested in a bullish movement, do not feel strong enough for the present to step in right at the height of the producing season.

CANNABIS INDICA.—The market is now cleared of genuine Bombay tops, 6s. 9d. per lb. having been paid. Marmagoa tops are obtainable from 1s. 9d. to 2s.

CHAMOMILES are quiet, the value of No. 1 Belgian flowers being 57s. 6d., and No. 2, 50s, per cwt. c.i.f. terms.

Cinchona.—At the auction of bark to be held at Amsterdam on January 22, 1,675 bales and 294 cases, weighing 136,589 kilos., pharmaceutical bark will be offered. The amount of manufacturing bark to be tendered for on January 21 is 10,863 packages, weighing 959,408 kilos. The average percentage of quinine in the manufacturing bark is 5.93. The previous unit paid by makers in December was 5.60 cents per half-kilo. The first-hand stock at Amsterdam on December 31, 1913, consisted of 13,338 packages Government and 56,991 packages private bark. The shipments from Java to Europe during December amounted to 1,133,000 Amst. lb., against 1,186,000 A. lb. in 1912, 1,188,000 A. lb. in 1911, and 1,345,000 A. lb. in 1910. The exports for the whole of 1913 amounted to 18,711,000 A. lb., against 16,190,000 A. lb. last year, 16,615,000 A. lb. in 1911, and 18,043,000 A. lb. in 1910. In the London drug-auction six bales of Loxa quill, all country-damaged, sold at 2d. per lb., subject to sellers' approval.

Cinnamon is easier, with sellers of Ceylon (London assortment) at 113d., and firsts at 1s. 1d. c.i.f. terms.

CITRIC ACID is flat, either English or foreign being obtainable at 1s. 11_2^3d . per lb.

CLOVE OIL.—Current quotations from distillers are from 3s. 10d. to 4s. per lb., as to quantity.

Coca-Leaves.—The exports from Java to Europe during December amounted to 2,232 packages, against 1,369 packages in 1912. The total exports in 1913 were 26,069 packages.

Cod-liver Oil.—It is yet too early to state what the prospects are for the new Lofoten cod-fishing, which is expected to open towards the end of the month. Meanwhile the value of finest 1913 Lofoten oil is about 36s. to 87s. per barrel. One maker has issued a circular offering 1914 genuine Lofoten oil for earliest forward shipment at 100s. c.i.f. Our Bergen correspondent writes on January 5 that a small lot of new non-congealing cod-liver oil has been handled at about 35s. 6d. per barrel c.i.f. terms. The market is still without interest.

COPPER SULPHATE is quiet at from 22l. to 22l. 5s. per ton for the usual Liverpool brands.

CREAM OF TARTAR is 6d. dearer, the current quotation for 98-per-cent. powder being 93s. 6d. and 95-per-cent. 91s. 6d. per cwt.

Geranium Oil.—Bourbon shows an advancing market, a cable to hand this week quoting 17s. 3d. per lb. c.i.f. terms. Dry weather is said to have interfered with the crop in Bourbon.

GLYCERIN is a firm market at the official rates of 95%, per ton in drums and 99% in cases for chemically pure on 5-ton contracts. There is not much offered from second-hands.

LEMON OIL.—The tendency continues easy, with good brands offering on the spot at from 10s. to 10s. 3d. per lb., and to arrive prices vary from 9s. 3d. to 10s. 3d. per lb. c.i.f. About 150 packages have arrived in London this week.

A Sicilian advice dated January 3 states that the market, which had been strong locally as long as the December requirements to cover previous contracts were not entirely provided for, became easier after the turn of the year, the pressure of local buyers for immediate delivery having given way completely, and sellers being consequently more manageable. As far as the foreign demand is concerned,

same is still affected by the holiday period, and by the general disposition to watch further developments. The position here is therefore rather uncertain, as, in the general opinion, it is just the demand from abroad which will be the determining feature of the further course prices will take during the ensuing weeks.

Menthol.—Sales of Kobayashi and (or) Suzuki have been made for April-May shipment at 11s. $10\frac{1}{2}d$. per lb. c.i.f. in combination with oil, and for menthol alone 88. 9d. c.i.f. has been paid. The spot price is 98. 9d. to 10s. Business in broken lots has been done at 10s. 6d.

MINT OIL.—Japanese is easier, with sales of Kobayashi and (or) Suzuki at 3s. 6d. c.i.f. for April-May shipment, with further sellers at 3s. $7\frac{1}{2}d$. c.i.f. Spot price is 4s. 3d.

MORPHINE remains firm and unchanged, the makers' quotation for hydrochloride powder being 8s. 3d. per oz., without engagement.

NEROLI OIL.—Finest French (Bigarade quality) is

quoted at 8s. 3d. per oz.

OPIUM.—The market has yet barely opened, but prices in the interim have been firm, the usual 11 per cent. quality offering at 14s. per lb. c.i.f., with buyers of substantial quantity at slightly less. Persian is firmer with a fair business at from 19s. to 20s. 6d. per lb. as to test. At the close sellers quote 11 per cent. at 13s. 9d. c.i.f. The sales in Smyrna include 40 cases to U.S.A. at 14s. 9d. for 11½ per cent.

A Smyrna correspondent writes on December 26 that the sales this week amount to nine cases at from 13s. 6d. to 15s. 6d. per lb., as to quality. The position is firmly maintained. The arrivals in Smyrna are 4,164 eases, against 2,154 cases at the same date last year.

A Constantinople correspondent writes on January 3 that "as we foresaw in our last report, sales have taken place amounting to about 60 cases at Smyrna and about 75 cases at Constantinople. These sales, as well as the cold weather prevailing in the Interior, make a firm market. The sales are 54 cases druggists' at ptrs. 193 to 205, 30 cases 'softs' at ptrs. 225 to 240, and 12 Malatias at from ptrs. 225 to 228."

Orange Oil.—Prices are unaltered at from 10s. 3d. to 11s. 4d. per lb. c.i.f., according to shipper; on the spot 11s. 6d. is quoted.

ORANGE-PEEL .- No Tripoli strip has arrived on this market; meanwhile English hand-cut is selling at 1s. 4d.

Orris.—Since we last quoted prices have further advanced, the value of best Florentine sorts, new crop, being 71s., and ordinary sorts 69s. per cwt. c.i.f. terms.

PEPPERMINT OIL.—American H.G.H. is firm, with small spot sales at 18s., London terms, and somewhat scarce. Wayne County is unaltered at from 14s. 9d. to 15s., with retail inquiry.

PODOPHYLLUM-ROOT is now practically unobtainable on spot. About a ton has been sold to the Continent at

slightly under 60s. per cwt.

QUICKSILVER is very steady at 7l. 10s. from first-hands and 7l. 1s. from second-hands.

QUININE remains firm, the sales from second-hands ineluding German sulphate of old import (re-weights) at 1s.

per oz., with some asking 1s. $0\frac{1}{4}d$. At the Amsterdam quinine-auction held on January 2, 1,417½ kilos. (50,000 oz.) Ed. II. was offered and bought in at fl.20.75 per kilo. The next auction will be held on

January 16, when a similar quantity will be offered.

The landings in London during December amounted to 83,520 oz. and the deliveries to 36,736 oz., leaving a stock on December 31 of 3,409,168 oz., as compared with 3,580,400 oz. in 1912.

5,380,400 oz. in 1912.

The imports of quinine and quinine-salts into the United Kingdom during 1913 amounted to 2,422,944 oz., against 3,063,894 oz. in 1912 and 3,291,960 oz. in 1911; the exports declared as of British make were 1,374,399 oz. in 1913, against 1,436,474 oz. in 1912 and 1,839,852 oz. in 1911; the re-exports in 1913 were 305,591 oz., against 730,409 oz. in 1912 and 210,605 oz. in 1911.

SAFFRON remains firm at the previous prices of from

42s. to 44s. per lb. net

SALTPETRE. One English maker has advanced his price by 1s. per cwt., but the others remain unchanged at 26s. in barrels and 27s. in kegs, for crystals, with the usual extras for powdered.

Shellac is lower, with small sales on a basis of 84s. for fair TN Orange and free AC Garnet at 85s. Sellers of TN for February-March shipment quote 85s. and AC Garnet 83s. c.i.f. Futures are lower, the sales including March at 86s. to 85s. and May 88s. to 86s. At auction 400 cases offered and sold without reserve at irregular Second Orange opened 2s. to 3s. cheaper, but closed about steady. Of fine Orange, 10 cases sold, including strong palish free and slightly matted at 101s. Of second Orange, 327 cases sold, all more or less out of condition, fine but reddish at 91s. to 97s., TN good at 88s. to 89s., fair 83s. to 84s., ordinary reddish 80s. to 81s. Of Garnet, 35 cases sold, including AC cakey to blocky at 81s. to 84s. Of Button, 25 cases fair "Kala" sold at from 71s. to 72s.

Soda Caustic.—The current London prices are: 76 to 77 per cent., 101. 17s. 6d.; 70 to 72 per cent., 101. 2s. 6d.; and 60 to 62 per cent., 9l. 2s. 6d. per ton. Prices ex ship are 2s. 6d. per ton less. There has been no reduction in British makers' prices to the home trade, as foreign competition here has not made itself felt to any extent.

Soy is lifeless at from 18. 4d. to 18. $4\frac{1}{2}d$. per gal. duty

TARTARIC ACID is unaltered, with more demand for forward delivery. English is 1s. $0\frac{3}{4}d$. and foreign 1s. $0\frac{1}{2}d$.

Turpentine has advanced $4\frac{1}{2}d$. per cwt., American closing at 31s. 9d. on the spot.

London Drug-auctions.

Commercial Sale Rooms

The drug-auctions were resumed to-day after a month's interval, but the demand was small only, and the price-alterations few and mostly in favour of buyers. Cape aloes was slightly easier, but all sold; Socotrine and Zanzibar were neglected. Sumatra benzoin firm, but quiet. Cardamoms were dull of sale and easier. Dragon's-blood sold at firm rates and of gamboge a fair quantity changed. sold at firm rates, and of gamboge a fair quantity changed hands at firmer rates; market has since been cleared. Honey of all descriptions was quite neglected. Ipecacuanha generally easy for Matto Grosso and Cartagena. Kola cheaper. Rhubarb quiet. Grey Jamaica sarsaparilla firm. Tinnevelly senna steady to \(\frac{1}{4}d. \) easier, and pods were slightly cheaper. Jamaica beesway steady. The following table Jamaica beeswax steady. The following table cheaper.

shows the quantity offered and sold:

shows the quantity offered and soud.									
Offered Sold	Offered Sold								
Aconite (Jap.) 10 0	Gamboge 15 15								
Aloes—	Gentian 14 0								
Cape 79	Guaiacum 10 10								
Curação(bxs.) 28 0									
Carata III									
Decertifie (negs)	Honey-								
Zanzibar (cs.) 46 0	Cuban 21 13								
Ambergris(tin) 1 0	Curacao 3 0								
Ammoniaeum 6 0	Hayti 29 0								
Annatto-seed 24 0	Jamaiea 24 0								
Balsam peru 2 0	New Zealand 15 0								
Balsam tolu 15 0	St. Lucia 8 0								
Bay oil 2 0	San Domingo 31 0								
Belladonna-root 4 0	Ipecaevanha—								
Benzoin-	Cartagena 20 0								
Palembang 62 *6	Matto Grosso 11 2								
Siam 46 0	Jalap 5 0								
Sumatra 208 22	Kamala 6 0								
Buchu 26 4	Kino 14 0								
Calumba 116 0	Kola 139 58								
Cannabis indica 18 0	Lemongrass cil 10 0								
Cantharides 10 0	Lime oil 10 4								
Cardamoms & seed 100 11	Mastieh 2 0								
Cascarilla 20 0	2.200010								
Cascarria									
Cubbit III	Dijilia.								
Charles of the tree of the tre									
CINCECIA IIIIIII - III	Oldinge cilitation of the								
Coca leaves in	Clarke peer								
Cochineal 10 0	Orris 18 18								
Coloeynth and pulp 14 0	Papain 4 0								
Copaiba 34 0	Pareira brava 15 0								
Croton-seed 47 0	Puree 5 0								
Cubebs 88 0	Quince-seed 4								
Cutch 50 0	Khubarb-								
Cuttlefish-bone 109 *30	China 44 2								
Digitalis 10 0	Fr 10								
Dragon's-blood 19 4	Sarsaparilla—								
Elemi 20 0	Grey Jam 14 14								
Ergot 30 0	Lima-Jam 11 [
Eucalyptus oil 47 0	Grey Jam 14 14 Lima-Jam 11 5 Senna and pods—								
Fennel-seed 249 0	Alexandrian 11 1								
Galbanum 33 0	Tinnevelly 400 319								
C. C									
*Sold privately.									

100000000000000000000000000000000000000	Offered Sold Scammony-root 150 0 Seedlac	Wax (Bees')— Cape
ı	Γamarinds 32 12 Γonka-beans 19 0	Mozambique 33 0 West Indian 3 3
1	Pragacanth 80 30 Furmeric 644 0	Ylang-ylang oil (bot.) 1 0

ALOES.—Cape was the only description in demand, and all sold at rates averaging about 6d. per cwt. decline, considering that a large proportion was of good even quality. The following prices were paid: Mossel Bay on 20 per cent. tares, fine hard bright, 41s. 6d., subject, to 42s. 6d.; good seconds, 41s.; slightly drossy seconds, 40s.; ordinary, part drossy seconds, 37s. to 38s. 6d.; common dull seconds, 34s. to 36s. 6d., mixed with sand, 30s. 6d. subject. The Caledonia, from Bombay, has brought 100 kegs, and the Briton, from Mossel Bay, 75 packages of Cape.

AMBERGRIS.—A single tin of black undeveloped of fair flavour was bought in at 30s. per oz.

BALSAM TOLU.—Fifteen cases of fair hard, part slightly drossy, were bought in at 2s. 6d. per lb.

Benzoin.—Sumatra was firm, 12 cases good almondy seconds selling at from 8l. Zs. 6d. to 8l. 5s. per cwt. A few cases of common false packed seconds sold at from 6l. 2s. 6d. to 6l. 5s., and common broken thirds at from 5l. 12s. 6d. to 5l. 2s. 6d. A string of 25 cases fair seconds, with small to medium almonds and of storax flavour, was offered, for which 7l. 2s. 6d. was refused; the lot sold privately. Fair streaky thirds were limited at 6l. 12s. 6d. Two cases of common false packed cross-cut seconds sold without reserve at 6l. Siam is in excessive supply and difficult to sell owing to the high prices asked.

BUCHU.—Small sales of fair slightly greenish ovals were made at 2s. 5d. per lb. Fair greenish longs, slightly stalky, were limited at 4s. 8d., and for round from 4s. 8d. to 5s. 6d. was wanted for ordinary yellowish and stalky to good green leaf. Fifteen packages have arrived.

CARDAMOMS.—Dull of sale and rather easier. The principal lot of 32 cases Ceylon-Mysores was bought in, comprising extra bold pale, for which 5s. 9d. was wanted; medium to bold ditto at 5s. 4d.; small palish, 5s.; tiny, 4s. 3d.; and bold splits, 4s. 9d. A few lots of small and medium dullish Ceylon-Mysores sold at 4s. 9d. to 5s., and tiny pale 4s. 2d. 187 bags of Wild from Calcutta were bought in at 1s. 2d.

COPAIBA.—A new lot of 32 cases cloudy Para lying in Liverpool was offered; a bid of 1s. 11d. is to be submitted, 2s. being wanted.

Dragon's-bloop.—Four cases of fair *Reed* were offered and held at 9l. 5s., at which sales have been made privately. Six cases broken slabs of middling colour were held at 5l., and for four cases reboiled broken slabs of very fair colour 9l. was paid, being firm.

GAMBOGE was in demand at about steady to firmer rates, 12 cases selling at from 13l. to 13l. 10s. per cwt. for fair to good, partly blocky Siam pipe. Market since the auction has been cleared, and prices are now higher.

GUAIACUM.—Ten barrels of inferior drossy sold at from $\frac{3}{4}d$. to 2d. per lb. if pay charges.

HONEY.—Dull of sale. Thirteen packages Hayti sold at from 22s. to 23s. per cwt. for fair brownish liquid, and 21s. for ullaged.

IPECACUANHA.—Slightly easier for Matto Grosso, two bales of which sold at 7s. 10d.; fair bright but very wiry was obtainable at 7s. 9d. For two bags of fair Cartagena a bid of 7s. 3d. is to be submitted; other lots were limited at 7s. 6d.

Kola was plentiful and tending easier, 13 bags West Indies selling at from $2\frac{1}{2}d$. to $2\frac{3}{4}d$, per lb. for darkish to fair, mostly halves. Subsequently 45 bags good bright, mostly Ceylon halves, realised 3d. per lb.

LIME OIL.—Four cases sold, including hand-pressed Dominica at 8s. 3d. and West Indian distilled at 1s. 8d. per lb.

Orris.—Sixteen bags of fair, part leanish Mogador sold at 43s. 6d. per cwt., being 1s. easier. Two bags of small Florentine sorts had been sold privately.

Rhubarb.—Quiet. Two cases medium to bold round Shensi with three-quarter fair pinky fracture sold at 3s. 4d. per lb. The value of bold round orange-coated Shensi with three-quarters good pinky fracture is 5s.

SARSAPARILLA.—Grey Jamaica, of which 18 balos offered, sold at 1s. 8d. to 1s. 10d. for part coarse and dark to good fibrous, being firm. Five bales of very coarse and part chumpy Lima-Jamaica sold at from 1s. 7d. to 1s. 8d.

Senna.—Tinnevelly sold at steady to $\frac{1}{4}d$. per lb. easier rates, pods being also easier. The following prices were paid: Common to ordinary small yellowish leaf, 1d. to $1\frac{3}{4}d$.; small to medium greenish, 2d. to $2\frac{1}{2}d$.; and fair bold greenish leaf, 3d. to $3\frac{1}{4}d$. Pods, dark to fair, $1\frac{1}{2}d$. to 2d.

TAMARINDS.—Twelve packages from Montserrat sold at 12s. per cwt. in bond for fair dry.

TONKA BEANS.—Fourteen cases fair black Para lying in Liverpool, just imported, were bought in at 3s. per lb.

Wax (Bees').—Jamaica was steady, three packages selling at 8l. 10s. for fair red and brown; two packages West Indian realised 8l. 5s. for fair grey to brown. Of Calcutta, 26 packages were bought in at from 8l. 12s. 6d. to 8l. 15s. per cwt., according to colour; yellow Calcutta was held at 6l. 15s., and Morocco at from 7l. 12s. 6d. to 7l. 17s. 6d.

Manchester Chemical Market.

January 6.

The holidays have spent their course and there appears to be a fairly good prospect in heavy chemicals. The only fly in the ointment is as to caustic soda, which, although it has not shown much change up to two or three months ago, is now in a very uncertain position. We have not up to the present time received advices of a revised price-list, as was generally expected. Sulphate of copper is very firm, and quoted at from 22l. 17s. 6d. to 23l. 2s. 6d. per ton, delivered Manchester. In other departments there has been a steady feeling. Coai-tar products are in fairly good inquiry. Sulphate of ammonia has not been very favourable, but may be quoted at 12l. 17s. 6d. per ton, on rails Manchester. Carbolic acids and benzols show little change.

Heavy Chemicals.

Owing to the season of the year, business in the heavychemical market is on the quiet side, being affected by stock-taking and the fact that consumers' works are not yet in full swing after the holidays. The prospects, however, seem good for this month and some time to come, whatever the future may have in store. Prices on the whole rule on the steady side.

ALKALI-PRODUCE is a trifle uncertain in some directions, but for the present demand is a good average and prices remain unaltered. Bleaching-powder, 5l. 2s. 6d. to 5l. 15s., according to conditions. Caustic soda, home trade, 9l. 7s. 6d. to 9l. 12s. 6d. for 70 per cent. and 8l. 7s. 6d. to 8l. 12s. 6d. for 60 per cent. For export, 76 to 77 per cent., 8l. 15s. to 10l.; 70 per cent., 8l. to 9l. 5s.; and 60 per cent., 7l. to 8l. 5s. per ton. Ammonia alkali, 2l. 17s. 6d. to 3l. 10s. per ton.

STRONTIUM-PRODUCTS rule on the steady side, with the mineral carbonate in short supply for early delivery, and other compounds in normal request. Precipitated carbonate of strontia, 90 to 95 per cent., 11/. to 12/. 10s. per ton, according to quantity. etc. Mineral carbonate of strontia, 36 to 90 per cent., lump, 14/.; and 80 to 85 per cent., smalls, 12/. per ton. Hydrate of strontia crystals, in casks, 9/. to 9/. 15s. per ton.

BARLINARPOPULCES are steady, and mostly in fair demand.

Bartum-Products are steady, and mostly in fair demand. Blanc Fixe, pure precipitated barium sulphate, in paste form, 6l. 10s. to 6l. 15s. per ton, in 8 to 9 cwt. casks. Mineral sulphate of barytes, 32s. 6d. to 100s. per ton, according to quality, quantity, and package. Chloride of barium, large or fine crystals, 6l. 5s. to 7l. per ton, in 9 to 10 cwt. casks. Precipitated barium carbonate, 98 to 99 per cent., 5l. 17s. 6d. to 6l. 10s. per ton, in 2-cwt. bags. Crude calcined barium sulphide, 70 to 75 per cent. BaS, 5l. 15s. to 6l. 5s. per ton, in 5 to 6 cwt. casks. Hydrate barium crystals, 12l. 5s. to 13l. 5s. per ton, in 6 to 7 cwt. casks. Concentrated solid, 56 to 60 per cent. BaO, 13l. 10s. to 13l. 15s. per ton, in 6 to 7 cwt. drums. Concentrated crushed, 15l. to 15l. 5s. per ton, in 6 to 7 cwt. easks.

SULPHATE OF AMMONIA quietly steady; London, 25 per cent., 12l. to 12l. 2s. 6d.; Leith, 12l. 18s. 9d. to 13l.; Liverpool, 12l. 17s. 6d.; and Hull, 12l. 16s. 3d.

Continental Drug and Chemical Markets.

ARECA.—The market, according to outside reports, is con-AREA.—The market, according to outside reports, is considerably firmer on account of unimportant supplies. January-February shipment cannot be bought under m.28 per 100 kilos., also spot (Hamburg) is quoted higher at m.32. Cevadilla.—Some offers of new crop for January-February shipment were made at m.100 per 100 kilos., but were of no interest. Spot (Hamburg) can be bought cheaply at m. 92 50

m.92.50.

CTRRE ACID is offered cheaper. Spot (Hamburg) can be bought at m.430 and delivery at m.420 per 100 kilos.

COCAINE.—Although some business in crude has been done

in Hamburg, the hydrochloride, on account of keen competition, remains cheap at m.165 per kilo.

CONDURANGO is firm but quiet. Some small orders came into the market, but remained unexecuted, the limits being too low. The asking prices, according to quality, are from 77.56 to m.76.50 t

low. The asking prices, according to quality, are from m.72.50 to m.75 per 100 kilos. Ergor remains quiet, with retail sales. Russian for shipment is offered at m.400 and spot (Hamburg) at m.420 per 100 kilos. Spanish has further declined. Spot ware can

be obtained at m.5 and shipment at m.4.75 per kilo.

Hydrastis.—Buyers are holding off with orders, believing that they can buy cheaper later. Spot (Hamburg) is offered at m.45.50 and to arrive at m.44.25 per kilo., but no business is reported. It seems that even a still further decline must be reckoned with.

IPECACUANHA is firm, but quiet. Rio is offered at m.17.50 and Cartagena at m.16.25 per kilo.

IPECACUANHA is firm, but quiet. Rio is offered at m.17.50 and Cartagena at m.16.25 per kilo.

KOLA.—It is again confirmed that the new crop is practically ended, and higher prices have been paid. A considerable business has been done at m.57.50 for quarters. Of halves only very small quantities are offered, and these have been sold at the parity of m.55 per 100 kilos.

LIMALOE OIL remains firm; on account of the Mexican trouble, prime distilled from the wood cannot be bought under m.27.50 and that from seed not under m.23 per kilo.

OULLAIA is somewhat firmer. Considerable business in

QUILLAIA is somewhat firmer. Considerable business in whole has taken place, and for spot (Hamburg) the parity of m.67.50 has been paid, and for shipment m.62.50 to m.65 per 100 kilos. Cut is also firmer, and it can be bought at m.70 for spot and m.67.50 for delivery.

SENEGA.—Quotations from abroad are cheaper; to arrive can be bought at m.625 and spot (Hamburg) at m.635 per can be bought at m.625 and spot (Hamburg) at m.635 per can be bought.

can be bought at m.625 and spot (Hamburg) at m.635 per

100 kilos, ex warehouse.

Hamburg Trade in 1913.

According to the Hamburg Chamber of Commerce, the commercial development of Hamburg was not maintained during 1913. This is due to the Balkan War, the unrest in Mexico, a commercial crisis in certain of the South American States, and the new taxes in Germany. The sharp American States, and the new taxes in Germany. The sharp decline in prices of South American native products, especially rubber, has greatly lessened the power of these States to pay for imports. Trade with the Far East, however, has improved. Both export and import trade, especially in the latter half of the year, suffered from the sharp fall in prices and unfavourable harvests. Many new ships have been laid down, especially high-speed vessels of heavy tonnage, as a result of the high freights; but still the dockyards have not made satisfactory profits; shipping on the Upper Elbe has been unable to take full advantage on the Upper Elbe has been unable to take full advantage of the improved navigation facilities.

Java Government Cinchona.

The report on the Java Government Cinchona undertakings for the third quarter of 1913 states that the east monsoon, and consequently dry weather, began early in May, and continued with occasional showers throughout the third quarter. These showers were so heavy at Tjinjiroean that the rainfall there was greater than at Rioeng-Goenoeng and Kawah-Tjiwidei, which are usually both much wetter. Night frosts were slight, and did little or no damage. The drought was good for mature plants, and favoured cultivation, but produced bad effects in the seed-beds, nurseries, and hardening-off grounds, as it prevented transplantations at the right ing-off grounds, as it prevented transplantations at the right times. Labour was plentiful, and the arrears in cultivation, harvesting, and transport were more than made up, 1,200,000 half-kilos of bark having been removed out of the 2,000,000 allowed for the year, and a large amount of bark is stored ready for transport.

Fraudulent Traders at Smyrna.

We have on several occasions called attention to the fraudulent operations of certain firms in Smyrna and Constantinople, known as the "Black Band," but it is evident that the caution previously given needs to be repeated, as they continue to find ready victims. According to the Acting British Consul-General at Smyrna, the various Turmeric......tons Wax.—

Bees'........pkgs.

* Stocks of essential Quay are not included.

tricks of this swindling confraternity may be tabulated as

tricks of this swindling confraternity may be tabulated as follows:

(1) Dealing honestly with one or two well-known firms and then giving them as references. (2) Giving as references various bogus commercial inquiry offices. (3) Giving each other as references and adopting false names, false addresses, etc. (4) Forging bills of lading for goods ordered from Turkey, when payment or part payment on receipt of bill of lading has been agreed to. (5) Sending stones, dirt, or other rubbish instead of optum, fruit, fine-quality wool, or whatever may have been the goods ordered. (6) When importing goods from the Unifed Kingdom, etc., making a part payment on giving the order, and then, after receiving and selling the goods, when pressed for the remainder of the payment, forcing the foreign merchants' lawyer to accept, say, 20 per cent. rather than lose the whole amount by putting the swindler into bankruptcy; a proceeding which always results in finding that all the man's possessions have been long since transferred to other names.

The British Chamber of Commerce of Smyrna has published the names of certain prominent members of the "Black the names of certain prominent members of the "Black Band," and it seems largely due to its efforts that the "Black Band" somewhat neglected the United Kingdom in

London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of December. and to the stocks on December 31, 1913:

	Decei	nber	Stocks		1913	
-	Landed	Delivd.	1913	1 912	Imprtd.	Deliva
Aloescs. etc.	61	. 141	981 1,322	1,129 1,464	1,643	1,791 142
Anise, starcs. Arrowrootpkgs. Balsamscks.	483 t3	831 29	5,677 162	2,949 125	13.797 123	11,667 106
Camphor, Cardamoms,	658 205	190 1,237 134 6	1,326 1,079 580 234	2.450 1.602 626 275	777 8,605 2,876 58	1,901 8,972 2,921
Cascara sagrada tons Cinchonapkgs. Cochinealbgs. Cubebs	104 53	210 68 —	3.209 280 200	3,533 281 74	3,702 454 329	4,034 455 203
Dragon's-blood pkgs. Galls, ,, Gums—	6 168	7 145	3.131 33	2,249	152 4,580 85	207 4,699 73
Ammoniacum, Animi, Arabic, Asafetida,	90 292 3 259	65 488 157 146	229 6,884 1,651 581	21 335 8,584 1,590 758	798 8,628 1,492 1,686	906 10,271 1,462 3,043
Benzoin, Copal, Damar, Gambooge,	2,250 512	4,469 861 3	8,731 3,111 75 63	11.543 5,152 118 30	54.108 8,316 178 106	57,854 9,288 188 73
Guaiacum, Kauritons net Kinopkgs. Mastich	51 — — — 15	42 1 - 10	448 48 11 376	157 59 14 475	935 13 20 188	636 24 23 279
Myrrh, E.I, Olibanum, Sandarac, Tragacanth,	54 1,484	42 84 1,152	896 378 6,728	1,320 453 6,663	678 1,179 15,604	1,042 1,264 14,739
Ipecacuanha— Cartagena ,, E.I. (Johore) ,, Matto Grosso ,,	$\frac{8}{14}$	11 37 11	69 40 149	19 33 115	113 211 309	63 204 275
Minas	- =	1 1 3	23 189 20	59 294 316	1,041	153 204 1,238
*Anise, starcs. •Cassia, Castorpkgs. Coconuttons Olivepkgs.	27 10 99 135 222	11 131 114 276	33 39 164 376 1,466	10 52 188 389 2 210	169 11 1,500 1,477 4,578	136 24 1,514 1,489 5,207
Palmtons Quininelb. Rhubarbcs. Chin.Rhapont.bgs.	5,220 46	2,296 77 5	56 213,073 720 2,457	71 223,775 1,226	10 62,189 772 2,001	72,925 705 117 925
Sarsaparillabls. Sennapkgs. Shellaccs. Turmerictons	57 610 7,551 27	115 404 2,743 23	91 1,773 93,930 453	211 2,100 98,430 477	805 3,661 46,571 441	3,990 51,06 44¢
Wax— Bees'pkgs. Vegetable ,,	360	481 57	1,602 334	2,169 619	4,918 £89	5,341

^{*} Stocks of essential oils at Smith's Wharf and Brewer

Norwegian Cod-liver Oil in 1913.

The Norwegian cod fisheries during 1913 (Messrs. Isdahl & Co., of Bergen, state in their annual report) were marked & Co., of Bergen, state in their annual report) were marked by the usual disturbances of weather in the winter months; this was especially the case with the Lofoten fishery. Up to the end of March the total yield of this fishery was 4.5 millions of cod, with a production of 2,400 barrels of oil. By the beginning of April a better spell of weather set in, so that the final yield of the Lofoten fishery reached nine million fish, with 4,707 barrels crude steam-refined oil. The following table shows the result of the Lofoten catch during the past five years: during the past five years:

... 9 million fish, 4,707 barrels oil ... 15 ,, ,, 10,295 ,, ,, ... 10 ,, , 6 558 ,, ,, ... 13.7 ,, ,, 11,491 ,, ,, ... 16.7 ,, ,, 17,208 ,, ,, 1913 ... 1912 1911 ••• ••• 1910

In the Finmarken district the crop yielded 34.8 millions cod, with 19,595 barrels crude steam-refined oil. The following figures show the catch at Finmarken for the past five

1915.	• • •	• • •	54.8	million	fish,	19,595	barrels	oil
1912 .	 	•••	36.7	••		25,000	11	
1911 .	 		29.7	,,		16,860	,,	•••
1910 .	 		23 3			11.532		"
1909	 		19.2		**	8.281	,,	
	 			"	"	0,201	,,	,,

The returns of all the cod fisheries of Norway for the past five years were as follows:

1913			 76 1	million	fish,	41 500	barrels	oil
1912	•••	•••	9 9			65,700		,,
1911		•••	 64	,,		37,300		"
1910	•••	•••	 56	• • • • • • • • • • • • • • • • • • • •	•••	35,400	- ,,	"
1909	•••	•••	 56	,,	,,	43,500	27	11

The liver of the fish in 1913 yielded from 30 to 45 per cent. of oil, as against 35 to 50 per cent. in 1912. In the early part of the season prices fluctuated much. When it became a fact that the liver was much leaner than the year before the price of oil jumped gradually, and reached about 135s. by April 1. Later on it declined to 96s., which price was maintained till late in the Fall, when, contrary to expectations, it fell further to about 82s. The latter dccline was a direct consequence of a small export, both to European countries and to the United States. The total export for the year amounts to only 40,000 barrels, which is 20,000 barrels less than exported in 1912. This decline is undoubtedly due to the fact that consumers of oil in the United States, as well as in Europe, covered themselves in 1912 with more than their actual requirements, owing to The liver of the fish in 1913 yielded from 30 to 45 per cent. 1912 with more than their actual requirements, owing to the cheap prices ruling that year. The stock of oil carried over from 1912 to 1913 was estimated at 25,000 barrels. Over from 1912 to 1915 was estimated at 25,000 parrels. Considering this year's production in connection with the export, there should still be left in Norway a stock of about 25,000 barrels. A great deal of this quantity is, however, oil from 1911, which should by this time be of very inferior

Ceylon Attempts to Produce Lac.

We have previously referred to the unsuccessful attempts to cultivate lac in Ceylon (C. & D., August 2, 1913, index folio 228), and we now note a short paper on the subject by Mr. Drieberg, and published by the "Tropical Agriculturist," which is as follows: In 1910 Professor Dunstan suggested the introduction of the Indian lac insect into The matter was referred to the Government Entomologist, and it was ultimately decided to send Mr. N. mologist, and it was ultimately decided to send Mr. N. Wickremaratne, one of the Society's instructors, to the Research Institute, Pusa, for a short course of training in lac culture. A series of experiments were subsequently conducted under his supervision, the first trials beginning in October 1912 with imported brood lac on masan ("Zizyphus jujuba"). The insects made good growth, but were attacked by ants and other predaceous insects. The resulting lac was pronounced satisfactory when sent to Pusa, but no brood-lac was procurable for further inoculation. resulting lac was pronounced satisfactory when sent to Pusa, but no brood-lac was procurable for further inoculation. The second trials began in February 1913 with imported brood-lac on kon ("Schlichea tijuga") as well as masan. The most satisfactory results were those made on Maligatenne Estate, Kandy, and the samples, both of stick and seed lac, were of excellent quality.

American Perfumery,

American Consuls have been investigating the possibilities of opening up business in perfumery in Australia, Mexico, and of opening up business in perfumery in Australia, Mexico, and Japan, but the reports presented by four of them to the Bureau of Manufacturers at Washington do not indicate that there is much outlet for American energy. They show that South Australia is overstocked with "heavy" perfumes, that there is keen competition in Victoria, and that Western Australia is a poor perfumery-market. The increasing trade in per-

fumes in Mexico and the wide use of perfumery preparations are discussed in a report from that country; and in regard to Japan the report from Kobe states that "perfumes are sold to Japan the report from Robe states that "perfumes are sold by chemists and in fancy-goods stores. Dealers here are not sufficiently interested in American perfumery to send money to the United States. Expensive perfumery does not find much sale in Japan. Flowery odours, used by women and men, are those in general demand. The Japanese use German perfumery generally. Where an American manufacturer cannot afford to send a travelling salesman to Japan to introduce and push trade he must sall on consignment. to introduce and push trade he must sell on consignment. reach club people who use perfumery, the principal American and English magazines may be used for advertising, as such magazines reach all English-speaking clubs in Japanese

NEW BOOKS.

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Cammidge, P. J. The Faces of Children and Adults. 85 × 53. Pp. 516. 17s. 6d. (Wright, Bristol.) [Founded on Hecht's "Die Fæces des Säuglings und des Kindes," but covers a wider scope, the fæces of adults being dealt with, and Dr. Cammidge has embodied his own observations on the subject, in which he has specialised for many years. macroscopic and microscopic characters are first dealt with, then animal parasites, and the bacteriological and chemical examination of fæces. The diagnostic significance and indications for treatment are next given, with an appendix of diets.]

Classen, A., and Cloeren, H. Quantitative Analysis by Electrolysis. Translated by W. T. Hall from the fifth German edition. 94×6. Pp. xiv+308. 10s. 6d. net. (Chapman & Hall, Ltd., London.) [The distinguishing feature of this work is the large space dealing with electro-chemistry and provided the support of the specific space of the support of the su of this work is the large space dealing with electro-chemistry as applied to analysis, that subject having developed rapidly of recent years. This occupies Part II. of the book. Part III. concerns the separation of metals, and Part IV. special analyses, such as the analysis of commercial metals and alloys. Part I. is introductory, the theory of ions being chiefly dealt with.]

Getman, F. H., Ph.D. Outlines of Theoretical Chemistry. 8½×5½. Pp. ix+467. 15s. net. (Chapman & Hall, Ltd., London.) [Designed to meet the requirements of classes beginning the study of theoretical or physical chemistry, the student

the study of theoretical or physical chemistry, the student being presumed to be familiar with elementary chemistry and physics. The author has tried to make clearer the difficult theories which have developed so greatly within the last few years. There are typical problems presented for solution at the end of the various chapters. No attempt has been made to deal with the subject of radioactivity. There is a good index.]

Haacke, Dr. Defektur-Taschenbuch enthaltend Haacke, Dr. Defektur-Taschenbuch enthaltend eine kurze Zusammenstellung der in dem Arzneibuch für das Deutsche Reich (V) Gegebenen Vorschriften für die Darstellung chemischer und pharmazeutischer Präparate. 6½×4½. Pp. 35. M.1. (Hinstorff'sche Verlagsbuchhandlung, Wismar.) [This is a pocket cdition of the last edition of the German Pharmacopeia, and consists of the formulæ and shortened directions for preparing the galenicals. The ingredients are given in Latin, although the directions are in German. It will be found a most useful book for those pharmacists who have a demand for German galenicals and do not possess the larger and more expensive work.]

Humphris, F. H. Electro-therapeutics for Practitioners. $9 \times 5\frac{1}{2}$. Pp. 250. 8s. 6d. net. (E. Arnold.)

Lippert, F. E., and Holmes, A. When to Send for the Doctor and What to do before the Doctor Comes. Cr. 8vo. 4s. 6d. net. (Lippincott.)

McLean, Angus. Practical Physics: A Text-book for Technical Schools and Colleges. $8\frac{1}{4} \times 5\frac{1}{4}$. Pp. 414. 7s. 6d. net. (Black.)

net. (Black.)

Mitlacher, Dr. W., and Tunmann, Dr. O. Pharmakognostische Rundschau über das Jahr 1912. 9×5\(^3\). Pp. 223.

M.7. ("Pharmazeutischen Post," 6 Pestalozzigasse, Vienna.)

[A well-arranged review of the new facts on pharmacology that were published during 1912. A portrait and life of Dr. Mitlacher are given as an introduction, Dr. Mitlacher having died soon after the year 1913 began. The review is divided into two reports, each consisting of Part I.—General (which includes historical matter, drug-culture, and statistics) and II.—Special (deals with drugs under the Natural Orders, beginning with fungi and finishing with zingiberaceæ). A good index is provided.]

Thomson, Capt. J. H., Redwood. Sir Boverton, and

Thomson, Capt. J. H.. Redwood, Sir Boverton, and Cooper-Key, Major A. Handbook on Petroleum for In-

spectors under the Petroleum Acts and for those Engaged in the Storage, Transport, Distribution, and Industrial Use in the Storage, transport, Instribution, and Industrial Use of Petroleum and its Products and Calcium Carbide, with Suggestions on the Construction and Use of Mineral-oil Lamps. 3rd edit. $9\times 6\frac{1}{4}$. Pp. xix+340. 8s. 6d. net. (C. Griffin & Co., Ltd., London.) [Major Cooper-Key has taken the place of the late Captain Thomson as co-author with Sir Boverton Redwood The principal changes in this edition are those dealing with the sources of sumply a description are those dealing with the sources of supply, a description of the rotary system of drilling, a revision of the account of the storage and distribution of petroleum products, and the addition of an abstract of the recommendations of the Petroleum Committee appointed in 1908. Deals with all aspects of the subject in a concise form, and is useful to anyone who desires to understand both the general and legal sides of the sale of petroleum.]

Our American Letter.

(Special Correspondence to the "C. & D.")

Chinese Wood Oil .- Mr. David Fairchild, of the Bureau of Plant Industry, has published a circular dealing with Chinese wood oil, the purpose of the publication being to advocate an extensive cultivation of the tree in the United States, where it has been grown in a small way since 1906. The importance of this recommendation is shown by the fact that 5,000,000 gals. was imported from China in 1912, and the product is said to have had a revolutionary effect on the varnish industry of the United States. It has, says Mr. Fairchild, largely taken the place of kauri, and has made possible the manufacture of a quicker drying varnish. which is less liable to crack than that made from kauri, and has been found of special value in waterproof priming for cement. The Department of Agriculture is distributing oneyear-old specimens to intending growers.

The Wagon Medicine Business has assumed enormous proportions in the rural parts of the United States. It is strongest in the Middle Wcst. One company alone has over 2,500 wagons peddling its own brand of proprietary medicines, veterinary remedies and stock foods, toilet preparations, spices, and flavouring extracts. Each wagon is owned by the agent, who is allotted a county as his exclusive territory. He is started off with a stock of the goods, which he sells among the country people for cash, if he can gct it; if not, on "time and trial." In the latter case the customer may use the contents of a package down to a certain mark, and return it if he is not satisfied. The next time round the agent collects outstanding debts, in so far as he is able, and leaves more goods—on credit in most cases. Every Saturday he must remit one-half his total week's receipts to the company, with a report on cash sales, credit sales, collections, and stock in hand. He pays the freight on goods from the factory, and stands the loss due to goods returned after a trial. In most cases the farmer supplies him and his team with meals and lodging for the night, which he pays for in goods. Druggists have been handicapped for years by this kind of competition, and many of them now are putting out wagons in their own

The Education of the Public in matters pharmaceutical is being attempted in various States, with the object of putting the druggist right in the eyes of the public. During the past decade certain lay newspapers have carried on campaigns against the proprietary-medicine business, with the admitted object of destroying it. Recently there ap-peared in the "Ladies' Home Journal" an article entitled "The Meanest Business in the World—Cheating the Sick." wherein remedies for women's ailments, soothing-syrups, and wherein remedies for women's ailments, soothing-syrups, and headache and cough preparations were condemned as a class. Unfortunately, the writer made his attack too inclusive, stating that such medicines (excluding the first named) "all depend for their effect upon alcohol, and one or all of the stupefying drugs—opium, morphine, or chloroform." The writer went on to say that, "used to excess, they kill outright; used even in moderation, they gradually become a necessity to the child's system, and before the parents realise the danger they have on their hands a victim of the drug-habit." Such misstatements are freely copied by the newspapers throughout the country, with the result of the drug-habit. Such misstatements are freely copied by the newspapers throughout the country, with the result that an unmerited slur is cast upon the drug business. In order to combat this influence, the Wisconsin State Pharmaceutical Association has formed a publicity bureau, charged with the duty of disseminating among the country papers short articles that will set the druggist right in the public eye. The time has come when the public must be told that the maker of ready-made medicines is not necessarily a faker and a charlatan.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Insurance Act Dressings.

SIR,—In reference to the questions raised by the Secretary of the Hartlepools and District Pharmacists' Association, we have to state that the fixing of a standard for dressings by the Pharmaceutical Standing Committee should be of great assistance to manufacturers and chemists alike, and in our opinion the revised standards now published call for good average all-round qualities and such as are in daily demand by hospitals, public institutions, and Government departments. Our replies to Mr. Timmins' inquiries are:

(1) Grey bandages do weigh on an average 10 per cent heavier than white bandages made from the same grade

of cloth.

(2) A better grade white bandage is called for, and a

(2) A better grade white bandage is called for, and a corresponding price allowed.

(3) The weights given for W.O.W. bandages are those of a good-quality bandage, and such bandage will have a breaking-strain about equal to the grey bandage.

(4) The standard warp in general use is 44 ends per inch. but there is nothing in the specification to prevent manufacturers giving 44s warp in place of 42s warp. The number of weft threads can be altered at will during manufacture without any difficulty or expense.

(5) Lint with a superficial area of 3,700 in. is nearer the average area of the lint in general demand by hospitals and the chemists' trade than lint with 4,000 in.

Yours faithfully,

For Robinson & Sons, Ltd. ROBT. HUBBUCK.

January 3, 1914.

Sir,-Your letters from manufacturers on standards for surgical dressings most emphatically confirm your verdict that they were drawn up on an arithmetical basis rather than a practical one. This has been known for some two months, but when a tariff is once printed, it needs a charge of dynamite to change even one small When the idea of standards was first generated item. by the sub-committee of the London Pharmacists' Association appointed to meet the doctors at Chancery Lane it was distinctly understood that the manufacturers should be consulted so as to eliminate the inferior stuf that the doctors brought to that meeting. Tentative standards were set up and the tariff kept back by the Commissioners until the end of December on that account The manufacturers had the opportunity by the publication in your own columns and those of your contemporaries of discussing the question. In one, I myself suggested to save confusion, that they should put forward proposals, but no fruit appeared. The result is a rigidity that cannot be applied, and it would have been bette to have prescribed limits of variation. The breaking strain is not much good to the retailer who wishes t test his bandages, and to fix the warp and weft on the present lines will be to condemn many a suitable band age. Far better had it been to state the count pe square inch and given a minimum for the weft and th weight per dozen. Many more technical questions migh be asked on the medicated gauzes, but no doubt reasor able latitude will be allowed in practice and no troubl arise. It is to be hoped, however, that the new Phan

naceutical General Committee will deal with the matter on more rational lines so as not to stereotype one paricular kind of gauze or bandage-cloth.

January 3, 1914. HERBERT SKINNER.

Dental Chemists.

SIR,-Re the remarks of "Qualified and Registered" in this week's issue, when he states that the "average dental chemist has not a leg to stand on " when compared with those who, though unqualified, have served an apprenticeship to dental work, I have no doubt that he knows, as well as the rest of us, that the public get far more satisfaction from dental chemists resident in a town than they do from travelling unqualified mechanics and extractors, who profess to do all the necessary work at one, or at most two, visits; who excise rotten stumps from chronically inflamed gums, simply to shorten the time in getting their fees and getting rid of the patient; and, if requested to extract the stumps, they supply the case of teeth to the poor patient long before the mouth is ready to receive it, with a result which is obvious. The question of fees is another matter seriously affecting the public, and I think I am right when I say that this is the principal reason that "Qualified and Registered" objects to chemists practising dentistry, simply because he knows very well that we can, and do, supply an article equal to what he himself supplies at half the cost. Sincerely yours,
DAVID S. BENNET, Ph.C.,

Secretary for South of Ireland Dental Society of Ireland.

South African Reflections.

SIR,—I have read with great interest the various arguments on the "Scarcity of Assistants," and trust the correspondence on this matter has not altogether closed before my letter arrives. I am strongly of the opinion that the foundation of the difficulty lies with the long hours and bad pay. In South Africa, for instance, where there is a fair amount of difficulty in getting ground assistants, the hours are exceptionally getting good assistants, the hours are exceptionally long, taking into consideration the hot and clammy climate. In the majority of towns in the Cape Province the hours are from eight o'clock in the morning until nine and ten o'clock at night, with an hour for dinner and half an hour for tea; two, but occasionally three, nights off per week, which includes one afternoon, also an alternate Sunday off; but many assistants have to work three Sundays per month. I think you will agree these hours are as bad as what you have in your cold England, where a little work keeps you warm. Now let us talk about the pay. An unqualified assistant in the Cape gets on an average about 12l. to 15l. per month; he has a mighty good job if he draws more salary than that. A qualified man gets, on an average, about 16l. to 22l. monthly, and he thinks himself particularly well off if he gets more. Now, a married man with two "little ones" can live in medium comfort with 207, per month; the unqualified married man on his 121, or 15l. can exist, and not much more. I know some who spend a great deal of their time in dodging the landlord. If you get 21. per week in England you are as well off, financially, as a man with 161. monthly in the Cape. Rent in the Cape runs from 3l. to 7l., or more, according to district, but the usual rent for a house with four rooms and a kitchen is 51. 10s. a month. Now, do you take about 30 or 40 per cent. of your wages for rent? I think not. A draper's assistant draws a salary from 10l. to 22l. monthly, a grocer gets from 10l. to 17l. monthly, a clerk gets from 8l. to 25l. monthly, according to responsibility. Where is the advantage in being a chemist? I have been in the profession for ten years, and have had exceptionally good experience, but I have yet to see the advantage. I have done relief work for a good number of South African chemists, and know for a fact that a very large number of them can never knock out more than 20% monthly, and many of them can rarely get more than 151. monthly. I suppose a third of the chemists in the Cape employ relief men, just to give themselves a little rest once or twice a week. Why? Because they cannot afford to pay an assistant. Why is that? Because their business is not protected

by Parliament, except in poisons and prescriptions, which amounts to little or nothing. Whose fault is it? Their own; they will never agree. Many attempts have been made in some of our larger towns to get the chemists to have an agreed closing-hour and an agreed pricelist, etc.; but no, there are always some narrow-mindel men who stand out. Everything else accordingly. Other traders are getting into chemists' lines, cutting them out right and left. They know this and grumble, but do very little to remedy it. The Pharmaceutical Society in Cape Town try to do something, but they are at a great disadvantage through the "stand-outs." A Chemists' Federation is absolutely essential, and is required just as much in Africa as in England. If you want young men to join the so-called profession and study until they become well-educated men, you must offer them a respectable professional and social position. As things are at present the uneducated grocer, etc., has as good a social position, with as much wages, as the chemist A long time ago I wrote to you in regard to the small wages offered to qualified chemists to come out to South Africa. Again I submit these facts to show the exact Faithfully yours, state of affairs.

AFRICA. (17/51.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Appreciations.

"I am sure I wish the C. & D. may break the record in prosperity and smooth out the difficulties for all. That's the finest wish you could possibly desire."—(75/7.)

"Wishing the C. & D. a very prosperous New Year. I have been reading it for the past thirty years, and do not think I could live without it now."—A British Chemist in China (98/11).

Whose Is It?

A few years ago I found 7s. 6d. on the serving counter. The governor thought someone had left change from 10s. behind. It was put on the back counter. Coming across it a few weeks later, the governor said. "This has not been claimed, and I know it does not belong to the till. Put half in your pocket, and I'll have the other half." I did not say "No."—H. O. (75/27).

Factitious Oil of Rhodium.

In formulas given for this in the C. & D. this week do you mean essential oil of almonds as one of the ingredients? I made some according to No. 2 formula, using the essential oil (artificial) of almonds, and the smell of it completely drowns the sandalwood odour, and the almond alone can be detected by smell. Perhaps the proportions given are reversed or erroneous.—Oil of Rhodium (76/10).

[Expressed oil of almonds is used, not the essential oil.—

Editor C. & D.

Insured Persons Within the Mile Limit.

W. R. W. (75/36) writes: In to-day's C. & D. I read "A Mile-limit Grievance." I believe that in my district there are many patients whom I lose in the same way. The writer of this seems to know what patients the doctor dispenses for; but here I have no knowledge of those. Can you tell me how I could find out the names and addresses of patients the doctors. There are the Level for the could find out the name and addresses of patients the doctors. of patients the doctors dispense for, so that I could find out whether they were without the mile or not? [Apply to the Clerk of the Insurance Committee. He is not compelled to tell, but proper courtesy elicits much.—EDITOR C. & D.]

Official Synonyms.

Would it not be a good plan if the British Pharmacopæia compilers would consider the desirability of inserting in the book such synonyms as "Mistura camphore" for aqua camphoræ, and putting the synonym among the mixtures. ctc., as the case may be, thus:

MISTURA CAMPHORÆ, vide Aqua camphoræ.

Similarly-and this to me seems of great importance-TINCTURA CHLOROFORMI COMPOSITA not now official. See B.P., 1885, page 414.

Although this preparation is not now official, it is used very extensively, and some think it ought never to have been deleted.—Abel Scholar.

Preventing the Duplication of Orders.

Replying to "Simla" (14/10) in the C. & D., October 18, 1913, Peter Oleum (98/11) says: "There are many systems in use. The following is one that has been found to be useful, and has been used by a chemist in China for some years. When typewriting the indent, two carbon copics are taken with it. The original is sent home at once, the copy following by the next mail; the third is put into a 'Sequence File,' it is then marked with the initial letter that it is put under, and the consecutive number in blue pencil. For example, should the order be for Messrs. S. Maw, Son & Sons, it is put under the letter 'M,' and if the tenth page, it is marked M/10. Each item is then entered into an index in blacklead pencil. Thus, say one line is '1 gross Maw's feeders,' then find Maw's feeders in the index and put against it M/10. If they are found in the Want Book again before they arrive, on referring to the index it will be seen at once that they were ordered M/10, refer to that, and all details will be found at once. The index is a large well-bound book; it contains three separate indices—the first is in black letters, and is for drugs, chemicals, etc.; the second is in red letters, and is for 'Patents,' including face-powders, etc., in fact, anything that is made with a chemical; the third is for sundries only. All the items are written in in ink; one entry will last for years, as plenty of space is allowed."

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

Inquirer (171/20).—Read the paragraphs on "Branch Shops" and "Companies" on p. 474 of the C. & D. Diary, and the paragraph entitled "Pharmacy" on the page following.

Unregistered (76/4) asks: "Am I (an unregistered man) allowed to take from a customer a prescription containing a scheduled poison, forwarding same to wholesale house to be dispensed, and on return hand same to my customer?" [This constitutes on the part of "Unregistered" at least two offences: (1) Keeping open shop for the sale of poison; (2) selling poison by retail. Fine, 5l. each.]

ol. Tercbinth. (44/36) is a chemist in business in a town where orders have been made under Section 4 (2) of the Shors Acr, 1912, fixing Wednesday, 1 p.m., as the half-holiday, and a closing order under Section 5 (1) as regards the evening closing hour, which is fixed at 8 p.m. He has obtained the C. & D. cards for exhibition during closing hours. He has been informed by another chemist that our cards cover only the closing hours of Wednesdays and Sundays. Is this correct? [Not quite. The cards are required solely for the closing hours of the half-holiday. The Home Secretary has made no regulation as regards the exhibition of a notice in respect to Sundays, nor in respect to evening closing hours on other days than the half-holiday.] (2) Our correspondent was asked on a Tuesday night between 8 and 9 p.m. for Cadum. Phesferine, Beecham's pills, Veno's cough-cure, magnesia, Stedman's teething powders, antibilious pills, turpentine, and other medicines. Might he legally sell these? [If our correspondent's shop is one in which the only business carried on is the sale of medicines and medical and surgical appliances, the closing order under Section 5 cannot legally be enforced as regards his shop. If, however, the shop is a "mixed" one, as chemists' shops, with few exceptions, are, the closing order under Section 5 may authorise sales after the closing hour, as, for example, in the case of Cowdenbeath reported in the C. & D., December 6, index folio 335. If there is no exempting provision of this nature in the order, there is nothing in the Act to permit him to supply medicines after the elosing hour, even in a case of illness, howsoever urgent the demand may be. Read Section 5 of the Act as given in the C. & D. Diary, p. 223.] (3) "What is a medicine?" also asks our correspondent. [We cannot add to the definition given in the Diary. If, as our correspondent asks, a person with a hacking cough comes in for a bottle of Veno's preparation, we should have no hesitation in calling it during the closing hours on the half

be held to cover such a transaction as is implied in the question, but the proposed transaction does not include execution of the order, and it has yet to be decided by the Courts whether "serving of customers" necessarily includes execution of orders the day after.] Our correspondent is much troubled by customers wanting goods after the door is closed. That, no doubt, is because he keeps the lights burning, whereby the customers infer that the shop is not closed, and it is the closing of the shop that the Act requires.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other informatior. In such cases the numbers are mentioned, and if quersts cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

D. B. (Bombay) (64/33).—Perspiring Hands.—The treat ment adopted in the case of excessive moisture of the hand-consists in soaking the hands with an astringent, such a solution of alum (1 in 20). The following lotion is also efficacious:

Formalin 3ss. Rose-water to make ... 3viij.

To be applied once or twice a day with a piece of lin and allowed to dry.

The use of a talc dusting-powder containing a small per centage of salicylic acid is also recommended.

Menthol (68/17).—Oxygenating the Blood.—Oxygen i best supplied to the blood by the inhalation of the gas Your inquiry recalls the claims made on behalf of potasium chlorate as a blood oxidiser. In the C. & D. Diary 1870, is an advertisement of Dr. Sutton, the successor of Dr. Marshall Hall, who introduced potassium chlorate int medicinc. The testimonials there given by leaders of the medical profession read somewhat curiously now that the claims as to the medicinal uses of potassium chlorate at much more limited. Sir Benjamin Brodie, for example stated: "What chloride of lime is to the foul sewer, D Hall's chlorate of potassa is to the blood."

Cymro (71/4).—A weak solution of chlorinated lime is the best thing for Removing Mildew from a Legal Documen but exceedingly great care should be exercised in applying it, otherwise you may spoil the whole document. The solution should be sparingly applied with a camel-hapencil, blotting-paper, and another pencil dipped in elewater being ready at hand to wash off the chlorinated solution as soon as the stain disappears, and a dish containing small amount of ammonia solution should be near at hal to hold the document over if the chlorinated-lime solutions like bleaching the ink.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," January 15, 176.

Note on Insect Wax. By Barnard S. Proctor.

In the August number of last year's CHEMIST AND DRUGGI I drew attention to several materials which have be used as substitutes for wax. I have now to correct error into which I had fallen with regard to the samp supplied to me as "Insect Wax of China." I have six seen reason to think that the sample thus described w Japan Tree Wax, as it corresponded very closely with the article in all its properties, and "China Wax" is one of t several names under which Japanese wax is known commerce. I am informed that the true insect wax is to be found in the market: but, through the kindness Mr. D. Hanbury, I am enabled to note the properties of authentic specimen. It greatly resembles spermaceti appearance, but is not quite so white, and the fracture, whi is crystalline and sparkling, is finer grained; it is also muharder and more brittle than spermaceti, and its meltipoint may be stated as 178° Fahrenheit, it having meltat 180°, and congealed at 176°, thus corresponding previously with the melting-point which I quoted from Miller

NATIONAL HEALTH INSURANCE.

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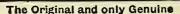
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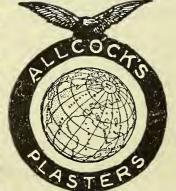
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Pbenolphtbalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/– lb. Plumbi Acetas, Druggists', 1 cwt. @ 34/6 cwt.; 7 lbs. @ 5d. lb.; Powder, 1½d. lb. extra. Potass. Acetas. Gran, P.B., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb. Potass. Iod., P.B., 1 cwt. @ 11/10 lb.; 14 lbs. @ 11/11 lb.; 3 lbs. @ 12/– lb.

pad. Jalap, English Ground, 28 lbs. @ 1/6 lb.;

7 lbs. @ 1/7 lb.

Rad. Rhei, E.I., Englisb Ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.

S affron, Valentia, B.P., 7 lbs. @ 44/- lb.; 1 lb. @ 45/- lb.; 1 oz. @ 3/3 oz. Sbellac (Orange), 1½ cwt. @ 98/- cwt.; 7 lbs. @

11½d. lb.

11½d. lb.

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" Easton, B.P., 7 lbs. @ 1/0½ lb.

" Ferri Iodid. P.B., 7 lbs. @ 1/0½ lb.

" Ferri Pobsph. Co., 7 lbs. @ 5½d. lb.

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" Pruni Virg. B.P. 8 lbs. @ 7½d. lb.

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" Rbei, P.B., 7 lbs. @ 8d. lb.

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" Sennæ, P.B., 7 lbs. @ 8½d. lb.

" Tolut, P.B., 7 lbs. @ 8½d. lb.

Ing. Acid. Boric, P.B., 28 lbs. @ 6d. lb.; Flav. 28 lbs. @ 4½d. lb.

Acid. Carbol, B.P., 28 lbs. @ 8d lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.

Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.

Hydrargyri, B.P., 281bs. @ 1/9 lb.; 7 lbs. @ 1/11 lb.

Hydrarg. Ammon., B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb. Hyd. Nit. Dil., 7 lbs. @ 10d. lb.

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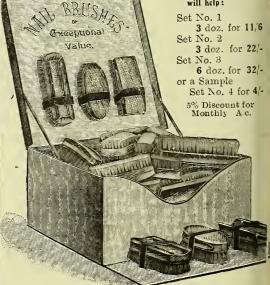
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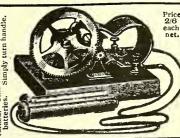


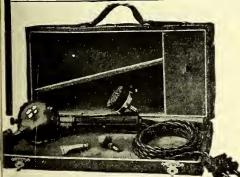
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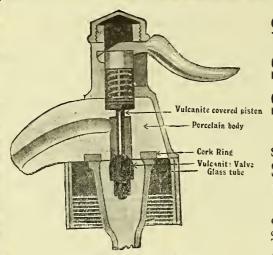
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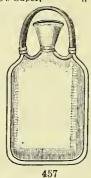
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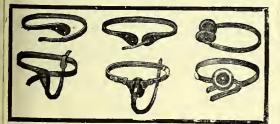
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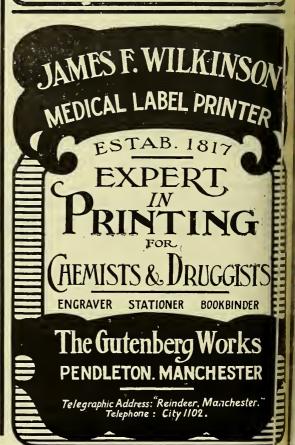
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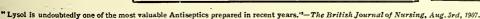
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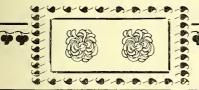
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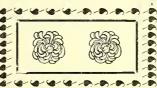
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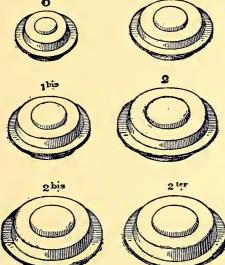


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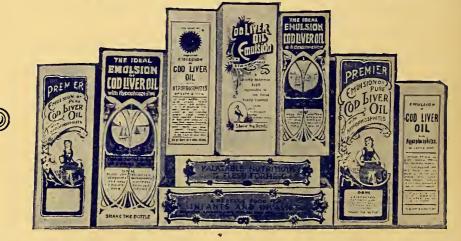
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We desire particularly to draw the attention of Colonial Foreign Subscribers to the fact that in cascs where t require partners, agents or assistants, or wish to sell the businesses, an advertisement in this Supplement, pla in every copy of "The Chemist and Druggist," should the readiest means of helping them to attain their obj The tariff for such announcements is given under the app priate headings in the Supplement. Instructions and mittances can be sent to us direct or through the ad tisers' correspondents in this country.

MESSRS. BERDOE & FISH

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Have the following businesses for Disposal. (No charge to Purchasers.)

1.—WESTERN COUNTY.—Good modern Cash Retail Business, delightfully situated; returns £2,400; net profit £650 clear; excellent premises; very best position; handsome Pharmacy, heavily stocked; price £2,000; references required.

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3.—SOUTH COAST.—High-class Dispensing and Retail Business; in same hands many years; retiring; returns £1,450; net profit £355; splendid position; price £875, or offer.

4.—WEST OF ENGLAND. — Good-class Retail and Dispensing Business; practically unopposed; serious illness compels sale; returns £600; net profit £200; exceptional premises; large garden; modern-fitted Pharmacy; good stock; price £420, or offer. 5.—KENT.—Good-class Retail and Dispensing, with Dentistry; returns £913; net profit over £300; splendid position; handsome modern Pharmacy, well stocked; owner retiring; price £600.

6.—LONDON (South).—Good-class Retail and Dispensing in first-class residential suburb; returns £2,400, increasing; booke properly kept; price £1,150, or valuation terms arranged.
7.—LONDON, W.C.—Good-class quick Cash Retail, returning £25 weekly; exceptional position; can easily be doubled; modern Pharmacy, well stocked; price £800; worth attention.

8.—CORNWALL COAST.—Good-class Chemist's Business; refe over £1,450, increasing; net profit £400; very best poplenty of scope; excellent house; handsome modern-fitted heavily stocked; price £1,100.

9.—LANCS. — Good profitable Light Retail in busy we class town, practically unopposed; returns £17 to £18 we increasing; low rent; good house; stock worth £450; price is

10. DEVON. — Sound Light Family, Retail and Dispens market town; returns £700; net profit £200; excellent low rent; fine Pharmacy, main street; price £400 or valuations.

11.—BEDFORDSHIRE.—Profitable Light Cash Retail; p cally unopposed; returns about £800; no N.H.I. work; pleascope; good house and shop; price £375 or valuation.

12.—CO. DURHAM.—Unopposed Light Country Retail, manager; returns average £11 weekly, without N.H.I.; l w good house; price £150 or valuation; worth seeing.

13.—LONDON, S.E.—Good Family Retail and Prescribing, N.H.I.; returns over £1,000; net profit over £300, after passistant; same hands many years; good position; price £70

14.—LONDON, N.E.—Cash Retail and Prescribing; no Panel; returns over £800; plenty of scope; net profit busy main road; large shop, fully stocked; price £425, or o

VALUATIONS FOR STOCKTAKING.

Messrs. BERDOE & FISH would like every Pharmacist in business to read page 43 in this year's "C Diary, and then write for our pamphlet showing the many advantages of having stock taken; with a successful bu stock has a habit of increasing, more especially since the Insurance Act came into force; and if only to satisfy yourse you are fully insured and in a position to make an indisputable claim in case of it will pay you to have it done. Our terms, which are low, can be had on application. 43 years' practical expension

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HAM.—For Sale, an eligible Business; in the right if for Panel; large and substantially fitted shop; well weight thouse; opportunity for small capitalist with lergy; scope for increase; valuation £160, but for e ould accept £100; business must be sold; reason for view. "Special" (173/6), Office of this Paper.

I.I. (large Market, Town).—Old-established, very profitispensing and Agricultural Business for immediate to death of proprietor. Full particulars of Evans, Ltd., Exeter, sole agente.

GV, Central.—Old-established high-class City Business, st Cash, for immediate Disposal; short hours; half-day y 10 Sunday duty; stock £900; rent £315; owner left v accept valuation; exceptional opportunity. Trading a further particulars from Mesers. Peacock & Henry, tas, 156 St. Vincent Street, Glasgow.

PEAD.—Old-established Dispensing and Family Business Disposed of, with immediate possession, for £200 cash; is hae only changed hands twice in 60 years; well at £51 on lease; good house; vendor retiring. Partif. Parson Baker, 174 Victoria Street, S.W.

COUNTY.—For Sale, 10 miles from London, Retail and sign Business; exceptionally good position; trade in present turnover 22,400; good house and long lease; anulars on application. Apply, 173/18, Office of this

D.—Good-established Business for Disposal; returns ineing, and ample ecope for development; good house soft moderate rental; lease; P.O. attached; £200. 168/37, of his Paper.

D. W.—Genuine Business for Disposal; corner shop and sosition in busy thoroughfare; takings last year £1,683; pits 43 per eent; rent and rates £107 per annum; books tyept; price £1,100; fullest investigation offered to duyers. 177/35, Office of this Paper.

NOS.—Exceptional opportunity; good-class Dental and Cical Practice for Sale; established 9 years; owner gine suite of rooms on ground floor in main thorough-collation over 20,000; returns about £850; price £400 for the reference must be sent with inquiries; no agents. 9/25, Office of this Paper.

OF ENGLAND.—Corner, double-fronted Shop, platesbelves; Post Office attached, which pays rent, rates, increase this year; returns £700-£800; Mixed trade, ass district; house attached; possession February 1; leaving, appointment; about £200. 175/12, Cffice of

O STREET. W. (two doors from), near Selfridge's.—
i class Business for Disposal; turnover increasing weekly;
ed in oak, and exceptional opportunity for smart
s All particulars from 175/27, Office of this Paper.

TALBOT.—Well-established Light Retail, with Wine ce; main street of this rapidly rising scaport; nearly rade; good lease granted, own freehold; vendor retiring; mutually arranged. Burgees, Chemist.

I A—COTE D'AZUR.—Very luxurious and profitable macy for Sale immediately in the most aristocratic part viera; impregnable situation; very advantageous lease; appeared sease; impregnable situation; very advantageous lease; appeared sease purchasers only considered; net profits of processed F. 45,000; annual closing July, August, cember; in the event of the purchaser not holding a manual sease of the purchaser is with the actual Pharmacien-proprietor is willing arrangements so that the business may be carried on anone with the law. Write to Winter Pharmacy, Winter etico-Cimiez.

COTLAND.—In consequence of illness I am obliged to get out of business, and am willing to sell my old-ostablished Business for £300, which is chiefly Dispensing and Family Retail; my returns are now about £600, have been £1,000, and would again with attention; unusual chance for smart young man; fine position. "Scot" (81/9), Office of this Paper.

WEST OF ENGLAND.—Good-class Dispensing and Light Family Retail Business in good seaside town; returns nearly £1,200. increasing; excellent profits; attractive Pharmacy, exceptionally well fitted and stocked; good residence attached; books properly kept; price £1,050; only bona-fide buyers need apply. Address, "Otto" (177/170), Office of this Paper.

WEST RIDING, Yorks.—Industrial town, over 20,000 population; no qualified opposition within 1 mile; turnover £1,150, including N.H.I.; gross profits £420; Wino Licence; easily worked; double-fronted shop, main street; price £650. Apply, 173/14, Office of this Paper.

YORK.—Good genuine Business for Disposal; corner shop, three good windows, main road; returns last year over £1,000 under unqualified man; good Wine Licence (also for Spirits, not used); returns can be greatly increased under qualified management; splendid opening for Insurance Dispensing and Photegraphic goods; good reason for selling; price £400. A. Allen, Monk Bar.

YORKSHIRE (Seaport Town).—For Sale, through retirement, a very profitable Cash Retail, Prescribing, and Dispensing Business; main road position; returns last year exceed £1,100; clear net profit £470; books properly kept; every investigation invited; low rent; fine double-fronted shop, splendid stock; price required, £800. "Retiring" (177/17), Office of this Paper.

CHEMISTS.—Very genuine Business for Sale in finest position of populous district; exceptional opportunity for energetic, qualified man, Apply, Alfred W. Dando & Co., Auctioneers, Dudley, Woros.

CHEMIST'S Business, old-established, for Sale, near Manchester, on main thoroughfare in populoue district; shop, good livinghouse, and up-to-date stock; any reasonable offer considered; owner retiring. Apply. Alfred G. Deacon & Co., 14 Brown Street, Manchester.

CHEMIST'S Business in Dumfries for Sale.—The long-established Business of the late Mr. John Daniel, Chemist, High Street, Dumfries, is offered for Sale by his executor; stock-in-trade and fittings to be taken at valuation. Full particulars supplied on application to William Moodie, Solicitor, Dumfries.

CHEMIST'S Business for Sale in thriving market town in South of Scotland; new shop in busy street leading to Railway Station; commands a wide district. Full particulars and terms on application to 76/19, Office of this Paper.

EXCEPTIONAL Opportunity.—Chemist's Business for Sale; firstgany double-fronted; depth shop 50 feet; room back 17 feet;
modern house (6 rooms and bath) above; excellent business
position; offered for quick sale. Apply, W. Ling, 6 Broad Street
Place, E.C.

SMALL Business for Sale; been let down; present turnover £350; low rental; good position; suit unqualified man as Drug Store; good scope for Extractor; take £150, or offer. 166/35, Office of this Paper.

100 PER CENT. Profit.—Mixed Cash Business; cost £250; turnover £700; 100 per cent. profit, £250; could be increased by £200 with Optics, Extracting, and Panel work; very clean and smartly fitted shop; expenses very very small; trade still on the increase; opposition, hardly any. 175/14, Office of this Paper.

£95.—Drug Store; genuine Business in rapidly growing S.W. district; good position, main road; industry employing 800 men just started, all living near; shop nicely fitted and well stocked: rent £32, with house accommodation; takings average £7, showing profit nearly £3 after expenses; scope for considerable increase. 175/5, Office of this Paper.

£120 or near offer.—Sound Business, London, S.E.; capable of great increase; unqualified management; takings about £8 weekly, and only open part of the day owing to bad health of proprietor; low working expenses. Full particulare on receipt of stamped addressed envelope, "Statim" (172/31), Office of this Paper.

£440, or near offer considered.—Sound Business, Lancs (ecaside); splendid corner position; well fitted and stocked; turnover £660. Apply, 168/35, Office of this Paper.

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METROPOLITAN POLICE.

TO BE LET ON 80 YEARS' LEASE, BY TENDER,
THE important Building Site, containing an area of 3,560
square fect or thereabouts, situated at the corner of Barking
Road and New Barn Street, Plaistow, E., with access at the rear
from Esk Street, suitable for a Bank or business premises.
Applications for further particulars and for the form of tender
should be addressed to the Police Architect and Surveyor, New
Scotland Yard, S.W.
The form of tender must be deposited not later than 12 o'clock
noon on Monday, the 26th January, 1914, at the Office of the
Receiver for the Metropolitan Police District, New Scotland
Yard, S.W.

CHEMIST'S Shop, well fitted, to Let, with parlour and cellar; electric light and gas; water in shop; exceptional position; stands to do a big trade with good man; rent 16s. Apply, letters only, 5 Maplestad Road, Streatham.

CPLENDID Shop to Let in main thoroughfare; Chemist badly needed; no opposition; excellent opportunity; fine shopping centre; as lock-up or with house accommodation. Apply, Sutch & Sons, 56 Plumstead Common Road, Plumstead. Telephone, Woolwich 436.

TENDERS.

KENSINGTON BOARD OF GUARDIANS.

CONTRACTS FOR DEUGS AND DRUGGISTS' SUNDRIES.

TWHE Guardians of the Poor of the Parish of Kensington are prepared to receive Tenders for the supply of Drugs, Druggists' Sundries, Wool, Lint, Tow, etc., for twelve months from April 1, 1914. Forms of Tea

Forms of Tender, with all necessary information, may be obtained upon personal application or by sending a stamped addressed foolscap envelope to the undereigned.

Tenders must be delivered not later than 3 p.m. on Thursday, January 29, 1914, for consideration at a Board Meeting to be held at that time.

By Order,
W. R. STEPHENS, Clerk to the Guardians.
Guardians' Offices, Marloes Road, Kensington, W.
December 29, 1913.

FOR SALE.

NATIONAL Cach Till for Disposal, secondhand; bargain for cash; sound condition. Apply, letter, O'Malley, 51 Great Percy Street, Clerkenwell.

SECONDHAND Chemist's Outfit.—Practically a complete outfit, outtable for one opening business, comprising Bottles, Drugs, Surgical Instruments, Specie-jars, Filling-tins, Jars, Bottle-drainer, Plate-glass Shelves, etc., etc., for immediate Disposal. For full particulars apply, Geo. A. Reeves, Auctioneer, 49 High Street, Merthyr Tydfil.

PARTNERSHIPS.

QUALIFIED Chemist with £150 wauted as Partuer in established Chemists and Opticians (N. London); excellent prospects. Box 622, Judd's, 5 Queen Victoria Street, E.C. prospects.

APPRENTICESHIPS.

CHEMIST wishes to place his son, nearly 16 years, in good-class Dispensing business as Indoor Apprentice. Billington, Sheffield Road, Barnsley.

WANTED, in a first-class Pharmacy, an Apprentice; good Dispensing and General business, with Photographics; no premium required; indoors; comfortable home. F. Wimshurst, Pharmaceutical Chemist, Bexhill-on-Sea.

BUSINESSES WANTED

A DVERTISER, with capital £400, wishes to Purchas details to "Zenith" (177/19), Office of this Paper.

CENUINE Retail Business wanted; returns about & capable of increase; prepared to take over right immediately; would accept Partnership in genuine concern not objected to. Please state fullest particulars and low in first letter, "Sundries" (174/34), Office of this Pape

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RETAIL.

BEXHILL.—Junior Assistant (indoors) on January 29 class Dispensing and Retail business; comfortable he Assistants kept. Please give full particulars of experimental process of the property of the Robbins, Pharmacist, 44 St. Leonards Road.

BIRMINGHAM, Junior wanted (at once) in the suburb of Edgbaston; good Dispenser; hours 9 to nesdays: 1 o'clock, Saturdays 10; outdoors; salary 30s. I Please send photo. Bellamy & Wakefield, Pharmaceutica and Hagley Read, Edgbaston, Birmingham.

BIRMINGHAM Suburb (Healthy District).—Junior As quired shortly, about 21 years; Improver not ob good middle-class Retail, no heavies; 56 working hour no Sunday duty; Porter kept; peruanency to right m wages and send photo to "Urgent" (175/10), Office Tables 1

BLACKHEATH, S.E.—Assistant, about 26, wanted class Dispensing and Retail; must be reliable Dispwell up in making of B.P. galenicals, etc.; unqualified; abstainer preferred. State age, height, salary, and encto Bailey, Pharmacist, 61 Old Dover Road, Blackheath,

CKPOOL.—Permonency for smart mau; progressive salary, ommencing 42s.; qualified assistant kept; full particulars, age, references; hours 8.30 to 8.30, Wednesdays 1, Saturay, 11; Sunday duty one in three; season (three months) hours ti longer; must be good Salesman, Stockkeeper, Window-re r; say when at liberty. Galloway.

GHTON.—Wanted, Junior Assistant, 19 to 23; permanency; doors; neat and accurate Dispenser; no Insurance work; ne kept; comfortable berth; easy hours; time for classes to be arranged; might suit an elderly man (about 60) requiring occupation. Full particulars, with salary, to Mr. Hall, farine Parade, Brighton.

STOL.—Wanted for January 19, smart, competent Junior; ge about 22; outdoors; very comfortable berth; no Sunday uplick and accurate Dispenser. Apply, with full particulare, a gage, height, salary required, and enclose photo, V. Latty, hist, Brislington, Bristol.

ashire.—Good unqualified Assistant required for modern jusiness in pleasant country town; age from 20 to 30; out thours reasonable. Please state age, height, experience, in close photo, to Young, Chemist, Nantwich.

[CHESTER.—Thoroughly competent Junior Assistant related for good-class Family business; must be good Counterword Window-dresser, have some knowledge of Photography, and as excellent references proving ability and character. Apply, tig age, height, etc., enclosing photograph, with all other paper oulars, to Horton, Chemist, Chichester.

VENTRY.—Wanted, unqualified Assistant (outdoors), used to best-class Dispensing and Family Retail. Apply, with a culars as to age, height, experience, salary required, refern, and please enclose recent photo, Chas. H. Weltou, 60 Smith-Street, Coventry.

RBYSHIRE.—Junior or Improver, age about 20, in a good mixed business; outdoors; easy hours and very comfortable to a willing man; 1 hour duty every alternate Sunday ming; references must bear strictest investigation. Give full poolars, enclosing photo, to W. Taylor, Pharmaciet, Heanor.

I VER.—Wanted for February 2, Junior Assistant (outdoors) in Dispensing business. Send full particulars in first letter tor. Ewell, Alexander Bottle & Co., Chemists, Dover.

OUCESTER.—Wanted, Junior Assistant; one just completing good apprenticeship preferred; comfortable home., R. J. S. herd, Pharmaceutical Chemist, Gloucester.

OUCESTER.—Competent Second Assistant; outdoors; good appearance and address; accurate Dispenser; for good-class L. t. Retail and Dispensing business; assist generally; good so y to right man. State age, height, salary, with photo and relences, 173/5, Office of this Paper.

JLL.—Qualified Manager (married or single) for branch in good working-class district; hours 9 to 9; Thursday half-acay; General Retail and Insurance Dispensing; good opportuly for pushing, up-to-date man. Give full particulars to Sinden, 442 Anlaby Road, Hull.

NCASHIRE.—Qualified Manager required immediately for working-class business; permanency and lucrative agreement, an interest in the profits, offered to a capable man. 175/40, to of this Paper.

EDS.—Wanted, qualified Assistant; hours 9 to 9; half-day holiday; Saturday 11 p.m.; Sunday duty one in three; state ay and photo. Apply to E. Sleight, 134 Burley Road, Leeds.

NDON.—Unqualified Assistant, 20-26, wanted at once; indoors; comfortable berth; permanency; good salary to suitable a Apply personally, or by letter, giving full particulars of rience, etc., and enclose photo (to be returned), to H. Southall, 5. Hoe Street, Walthamstow, N.E.

NDON, N.—Junior Assistant; outdoors; one whole day off weekly; good-class modern business. Please state age, salary ired, and say when disengaged, and send photo, to Long, ie Broadway, Stamford Hill, N.

NDON, N.W.—Junior Assistant, about 23, required immediately; outdoors. Apply personally, or if by letter give particulars to W. H. Bell & Co., 96 Albany Street, Regent's

NDON, S.E. (near Kennington).—Part-time Assistant wanted; outdoors; when applying give hours at liberty and salary bired; or Junior, full time, or with hours for study; letters can wered within three days declined with thanks. 169/27, of this Paper.

NDON, S.E.—Junior Assistant required at once or early date; accustomed to a good-class Light Retail and Dispensing busi; outdoors. Apply, with usual particulars, to Butcher, Curnow o., Chemists, Blackheath, S.E.

London, S.E.—Wanted, a Junior Assistant (outdoors) for a good-class Dispensing and Retail business; good Counterman and Window-dresser and Stockkeeper. Apply, stating full particulars, age, experience, salary required, and when disengaged, to 174/33, Office of this Paper.

ONDON, S.E.—Junior Assistant, about 20 years of age, for General, Retail, and Dispensing (outdoors). Apply, by letter, giving full particulars and salary required, "J. B.," 21 Walworth Road, S.E.

L ONDON, S.W.—Wanted, a smort qualified Assistant, about 24.
Apply, with full particulars, enclosing photo, Amoore & Co.,
173 Sloane Street, S.W.

LONDON, S.W.—Required, an Assistant for the Front Counter of a large West-End establishment; age about 25; must be tall and of good appearance and address. Write, stating full particulars and experience, 1,222, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Mesors. Tupholme & Sou, 1 Colcherne Terrace, Earl's Court, have a vacancy on February 1 for qualified Assistant, about 26; must have had previous Dispensing experience. Full particulars, with photo, to W. Haynes, as above.

ONDON, S.W.—Competent Assistant, outdoors, age about 24, for Retail and Diepensing business. Reply, giving full particulars as to references, experience, salary, and when disengaged, to "L. R." (173/25), Office of this Paper.

LONDON, W.—Wanted at once, or not later than January 19, unqualified Assistant, about 30; accurate Dispenser, with high-class Counter experience; salary 45s. weekly (outdoors), with definite increases; hours 8.30 till 8.30, and duty alternate evenings till 10; Sunday duty alternate 9.30 to 1.30 and 5.30 to 9; Saturdays free from 1.30. State full particulars to "Western Pharmacist," c/o British Drug Houses, 22 Graham Street, City Road, N.

LONDON, W.-Wanted, a qualified Assistant, with good Dispensing experience. Apply, stating age, experience, and giving references, to Squire & Sons, Ltd., 413 Oxford Street, W.

LONDON, W.—Junior Assistant required in West-End Dispensing business; outdoors; no late duty. Apply, with usual particulars and photo, to W. Ive, Chemist, 221 High Street, Kensington, W.

L ONDON, W.—A qualified Assistant wanted, with West-End experience (preferred); must be tall and of good appearance and address; for highest-class business; progressive salary. Personal application, the Manager, Heppell & Co., 164 Piccadilly.

LONDON, W.-Wanted immediately, a smart Assistant; outdoors; one with West-End experience preferred. Apply, personally, J. Munro & Co., 273 Regent Street.

ONDON, W.—Manager for Branch iu West-End suburb; salary, commission, and use of rooms, over business; two Assistants; hours 8.30 to 8.30, Saturdays 8.30 to 10; alternate Sunday duty for a few hours; good Counterman and accurate Dispenser. Full particulars to E. F. Strickland, 28 The Broadway, Ealing, W.

LONDON (near), Sutton, Surrey.—Wanted, for about three hours each evening, part-time Assistant, to help with Dispensing; lady or gentleman; must be neat, quick, and accurate. Apply, stating terms, Cooper, Chemist, Sutton, Surrey.—

LOWESTOFT.—A competent Junior (indoors) required for Light Retail and Dispensing; good references indispensable. Apply, with full particulars, to Sale & Nurse, Pharmaceutical Chemists, Lowestoft.

MANCHESTER.—Unqualified Assistant wanted for Mixed business; good Counterman; state age, references, etc. Apply, 170/6, Office of this Paper.

MANCHESTER.—Qualified Branch Manager; outdoors; good opening for a reliable man. Apply, stating age, experience, salary expected, and when available, to D. Dickson, Pharmacist, 716 Ashton New Road, Clayton, Manchester.

MANCHESTER.—Qualified Manager, also Dispenser; Manager for fairly busy shop worked single-handed (only help a youth), good prospects succession or partnership, easy terms; Dispenser, male or female, whole day or evenings only, Hall or N.H.I. qualification. Particulars and salary to 174/5, Office of this Paper.

NEAR Manchester.-Wanted, on Assistant; Dispensing and Window-dressing. 175/26, Office of this Paper.

N.H.I. Dispensing; must be an accurate and quick Dispenser. Apply, stating full particulars and salary required (outdoors) to E. Y. Stuckey, Chemist, Regent Square, Northampton.

NOTTINGHAM.—Student-Assistant; hours, about five daily; arranged to give full facility for study; School of Pharmacy adjacent. State salary and reference, Waterall & Eberlin, Chapel Bar. Nottingham.

OLDHAM.—Young qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 175/3. Office of this Paper.

OLDHAM.—Unqualified Assistant for quick Cash business; must be reliable and a good Salesman; salary 30s. per week and commission. 175/03, Office of this Paper.

SHEFFIELD.—Young qualified Senior Assistant; good Dispenser and Connterman. Send full particulars to Eardley & Furnival, 265 Glossop Road, Sheffield.

CHERINGHAM.—Assistant wanted; indoors; good Dispenser; one with knowledge of Photography preferred. Apply, stating age and full particulars, to J. B. Gooch, W. H. Burrell & Co., High Street, Sheringham.

COUTH KENSINGTON.—Smart and competent Assistant; used to Dispensing and good-clase business; with knowledge of Photography and Optics preferred. Apply, Mr. Evans, 44 Harrington Road, S.W.

STAMFORD (LINCS).—Required immediately, Junior or Improver in good-class Country business, with Dispensing and Photography; easy hours; no Sunday duty. Applicants please state age, height, experience, salary required, and enclose photo (if convenient), Ennals, Chemist, Stamford.

WALLASEY.—Wanted immediately, smart Junior; unqualified; knowledge of Photographics and Window-dressing essential; capable of taking charge; good salary and commission. References, stating age, to "Felix" (177/1), Office of this Paper.

WESTERN OPHTHALMIC HOSPITAL, Marylebone Road, W.—Dispenser required; one with previous Ophthalmio and Hospital experience preferred; hours, Monday, Tnesday, Thursday, and Fricay, from 2 to about 7 p.m.; Wednesday and Saturday 10 to 12 only; commencing salary £50; applications, with copies of recent testimonials, should be sent to the nudersigned by January 17. H. W. Burleigh, Honorary Secretary.

WESTON-SUPER-MARE.—A competent Assistant required; accustomed to good-class Retail and Dispensing. Send usual particulars (photo if possible), Edwin Norman, Pharmaecntical Chemist, 35 High Street, Weston-super-Mare.

WESTON-SUPER-MARE.—Capable Junior, in good-class Dispensing and Light Retail business; indoors. Full particulars and photo to "C.," c/o Lewis Wing, Ltd., Regent Street, Westonsuper-Mare.

WORCESTER.—Qualified Assistant, also reliable Junior, wanted immediately for Dispensing counter; hours moderate. Please state salary (indoors), etc., Horniblow, 29 Sidbury, Worcester.

YORKSHIRE.—Wanted, for industrial town in West Riding, qualified Assistant. Apply, with particulars, to 173/12, Office of this Paper.

YORKSHIRE.—Qualified Assistant for a quick Cash Retail business; must be a good Counterman and Dispenser; permanency State age and salary required, also when at liberty, 175/41, Office of this Paper.

A SMART qualified Junior Assistant, accustomed to quick Retail trade; indoors. State age, experience, and salary required to Walter Gregory & Co., Wellington, Somerset.

A WELL-EDUCATED, gentlemanly Assistant, not over 25, required immediately for Mixed Wholesale and Retail West-End business; short hours; no late duty; only those having good-class experience and possessing the ability and determination to make themselves thoroughly useful in the up-building of a progressive department need apply to 174/22, Office of this Paper.

A N Assistant, qualified; age between 25 and 30 years; must be good Counterman and Dispenser; reliable: outdoors. Apply, stating full particulars and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

A S scon as possible.—Unqualified Assistant; in or out-doors; accustomed to N.I. Dispensing and General Counter work, Window-dressing, and Photography. Full particulars if by letter (interview preferred) to Pelham Young, Pharmacist, Hounslow, W. 'Phone, 153 Hounslow.

 Λ SSISTANT (immediately); good Dispenser; qualified, and able to take charge; N.H.I.; also a Junior. Ragg, Pharmaoist, The Green, Lower Edmonton, N.

A SSISTANT, qualified, about 24, for first-class West-End business. Apply, with full particulars to W. Jameson, c/o Curtis & Co., 48 Baker Street, Portman Square, W.

A SSISTANT, qualified, for South Coast Dispensing and N State salary (indoors and outdoors) and full particular "J. S.," e/o British Drug Honses, Graham Street, City Road

 Λ SSISTANT, qualified, wanted for good-class Dispensing ness. Apply, with testimonials and state salary required 172/26, Office of this Paper.

BUYER wanted for the Patent Medicine and Perfumery Department of a large Manchester store; Pharmacoutical quantion immaterial, but a sound knowledge of modern Store is essential; this is a fine opportunity for a really good Send full particulars of experience and state age, height salary expected, 77/11, Office of this Paper.

CAPABLE, reliable Assistant wanted; working class neighbood; N.H.I. Dispensing; hours 8.30 to 9.30, Saturdar Sunday duty every second Sunday, 6 to 8. Please give facticulars and salary expected to R. R. Bagshaw, Chemist, Na Heath, Manchester.

CHEMIST, Assistant, to live in (country, Cheshire), wages and experience to Box "J251," Lee & Nigh-Liverpool.

LIDERLY Chemist.—Well-known firm have an open g elderly qualified Chemist at one of their branches provinces; easy hours; work light; permanency. 175/42, of this Paper.

EVENINGS; London, S.E. (not far from City); competent penser (not over 30), with Retail experience preferred quired five evenings weekly from about 6.30 to 10; paymen rate of 18. per hour. 178/5, Office of this Paper.

EXPERIENCED unqualified Assistant, about 24, wanted once; in- or ont-doors; good salary and comfortable be must have had N.H.I. Dispensing and Counter experience, al state references of last two years. Leighton & Co., 566 Bridge Road, Leyton.

TMMEDIATELY.—Wanted, Manager, small good-class Dispen Family trade; Minor qualification; married; Wesleyan ferred; salary \$2 weekly, with house and light, and to good commission on all increase of business. Goodacre, Pharn Horsforth.

IMMEDIATELY.—Unqualified Assistant (outdoors), under abstainer preferred; hours 9 to 8, Saturdays 11; no Sandholiday duty. Please state full particulars in first letter enclose photo (will be returned), S. B. Eason, Pharmacist, Road, Cardiff.

TMPROVER or Junior wanted immediately; outdoors; w half-holiday; state age, experience, and ealary requal Apply, F. W. Wrench, Pharmaceutical Chemist; Silverdale, S

 $I\!\!\!I^{MPROVER}$ or young Junior wanted; indoors. State salar quired and usual particulars, W. Roberts, Chemist, 73. Street, Chester.

NDOOR Assistants.—Wanted, a well-trained Junior (age 20) with a practical knowledge of Photography; all experienced qualified gentleman (age about 26) for good Retail and Dispensing. State age, salary required, and reference to S. T. Milbank, Pharmaceutical Chemist, I Stortford.

JUNIOR or Improver wanted for Light Retail and Dispersion outdoors; time allowed for study; easy distance Liveschool of Pharmacy. Full particulars to G. Stevens, 6 Bell Road, Birkenhead.

JUNIOR, 19 to 21, wanted soon for good-class Dispensing surance, Retail, and Photographio; easy hours; no Siduty; outdoors; another kept. References and full particul. "Kent Coast Pharmaoist" (171/5), Office of this Paper.

JUNIOR (about 22), with good-class Retail and Dispensi perience; Photography. Usual particulars to Percy B. Pharmaceutical Chemist, Rugby.

JUNIOR Assistant; unqualified; must be good at Control Stockkeeping, and Photographic. Apply, giving full culars, and stating salary required (outdoors), to H. W. H. Chemist, Egham, Surrey.

JUNIOR Assistant; quick, accurate Dispenser and good Coman; easy hours. State age, experience, references, and expected (outdoors), Golightly, Pharmacist, Pudsey, near L

JUNIOR wanted for best-class Dispensing business; or Apply, A. H. Ellithorne, 26 Wellington Road, Oxton, head.

JUNIOR or Improver required for a Mixed Agricultural bracesy hours; no night or Sunday duty; abstainer property, with full particulars and salary required, to G. M. Is M.P.S., Pharmacist, Knighton, Radnorshire.

r Improver; outdoors; time for study if required.

A ssistant required for Light Retail and Dispensing; sasy; indoors. Apply, stating age, experience, referdalary required, to Weddell, Pharmaceutical Chemist, treet, Colchester.

male); nice-class Retail and Dispensing in London S.E.; 3 hours allowed each morning for study if or out-doors, but in preferred, sleep out in room pply, with particulars as to age, height, and salary oto (to be returned), "Veteran" (173/23), Office of

inqualified, young, with Dispensing experience; in or s. Apply, with full particulars, John Parrott, Rich Surrey.

Assistant, unqualified, age about 25, wanted immediatedoors; quick and accurate Dispenser. Please state and salary required, W. R. Ames, High Street, St.

R.—Immediately, qualified Assistant, age 25 to 30, hager; Agricultural and Light Retail; moderate hours; duty; knowledge of Photography required. Apply, all particulars, including photo (to be returned), to Ural Pharmacy, Millom, Comberland.

R, holding Pharmaceutical and Optical qualifications, all for London Suburban business; good opportunity for a ctio man. Full particulars on application to 174/4, is Paper.

R wanted for Chemist shop in East End; good calary. to 166/39, Office of this Paper.

R, qualified, for Branch shop in North London suburb; offered 45s. per week, with roomy and comfortable ise free; splendid opportunity for energetic man; a unst be undeniable; Photographic and Optical experience, but mot essential; permanency to suitable man.

R, qualified, to Manage Branch for firm of Store less in busy Midland town; to live on premises; liberal momentable berth for energetic and conscientious manufactulars re age, height, salary, experience, and enoid of convenient, 177/39, Office of this Paper.

A R wanted (through death of proprietor), with option rehase on easy terms by suitable man; Light Retail, siness, with Photography and Dentistry; excellent ar Pier, Harbour, and Beach. Send all particulars He, Cross Lodge, Gorleston-on-Sea.

TIMOTHY WHITE CO., LTD, Chemists, Portsmouth, age a capable Pharmacist as Manager; easy hours; good salary, with excellent prospects.

Tussistant wanted; hours 7 to 12.30; qualified; must relad good experience; personal application. Apply, 4,64 Piccadelly, London, W.

ED Assistant wanted; accustomed to good-class in and Dispensing business. State age, salary, date terty, and give references in first letter, to Mallinson, thington, Manchester.

(ED Assistant wanted immediately. Apply, Lewis 2 Osnaburgh Street, N.W.

LIED man, young, wanted immediately, ohiefly for H Dispensing at Branch; easy berth and hours; abstainer temperate man essential. Give full particulars, age, erences, experience, and salary required (outdoors), er, with photo (to be returned), or apply personally, at the Infirmary Square, Leicester.

ED Assistant required in January for first-class by Retail and Dispensing; outdoors; hours 9 to 3, 79 to 9.30; no Sunday duty; would suit middle-aged g a permanency; reference given if required. Apply, particulars and salary, to "Barnes" (174/18), Office per.

ED Assistant, accustomed to good-class business, quick, ric; outdoors; moderate hours. Apply, with full parexperience, age, height, salary required, etc., to the Hedges (Chemists), Ltd., Dale End, Birmingham.

LED Assistant, to manage small branch, wanted at Apply, giving full particulars and salary required, to true, 2 Queen's Terrace, St. John's Wood, N.W.

LE (ED Assistant wanted immediately; lady not objected od Light Retail and Dispensing; easy hours; peryr suitable applicant; progressive salary; in or outit; full particulars and salary required to R. M. Ling, d Optician, Oromer, Norfolk. QUALIFIED Manager for branch (end of January); middle-aged; married preferred; live on premises; usual references required. Apply, "Balsam," c/o J. Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

QUALIFIED Assistant; experienced Light Retail and Dispensing; outdoors; immediately. All particulars, references to Green, Pharmacist, Trowbridge.

QUALIFIED Assistant, about 24, for good-class suburban Dispensing business; also Junior or Parttime; outdoors; must be quick and accurate dispensers. Apply, with full particulars, age, height, salary, experience, etc., to J. W. Barton, 25 Westow Hill, Upper Norwood, S.E.

QUALIFIED Assistant, single, with good Counter and Dispensing experience; age about 25; must be of good address and have excellent references. Apply, stating age, height, salary required, and when disengaged, with photo, to T. Furness & Son, The Pharmacy, Chesterfield. Applications not answered in 3 days declined.

QUALIFIED Assistant required for a good-class business, about 23; good Dispenser. State full particulars, 172/30, Office of this Paper.

QUALIFIED Manager to develop small Branch; respectable working-class district; married, to live on premises; middle-aged man not objected to. Please send full particulars, subary required, etc., Watson, Chemist, 100 Mitcham Road, Tooting, S.W.

QUALIFIED Chemist, with good experience of first-class Retail, Dispensing; commencing salary 55s.; permanency; outdoors. State age, full particulars previous engagements, to Junior Army and Navy Stores, Ltd., Aldershot.

SMART Junior Assistant wanted immediately; used to quick London trade. Apply personally, Spinks, 27 Tottenham Court Road, W.

UNQUALIFIED Assistant wanted (outdoors), London, E., 7 miles out, at end of January for quick Retail and N.H.I. Dispensing, not over 40; salary 35s. per week; half-day weekly and alternate Sundays 6-9. Particulars, with references, to 171/8, Office of this Paper.

UNQUALIFIED; Counter and Dispensing; good-class business. State salary required, etc., Vince, Pharmacist, Lancaster.

UNQUALIFIED Chemist wanted immediately; indoore; good expenience in Dispensing, Photography, and Sight-testing. Cruse & Co., 7 The Strand, E. Southsea.

UNQUALIFIED, smart Assistant required for quick Retail, N. London, age 23 to 30 p outdoors; easy hours; permanency to suitable man; good references essential. State salary, which must be moderate, and full particulars in first letter to V. Edmunds, Kenilworth Court, Eastbourne.

UNQUALIFIED Assistant for Counter, etc. (January 19); about 22 years; quick, accurate, and tactful; good salary and commission. Photo and full particulars, Lester & Williamson Chemists, Foleshill Road, Coventry.

UNQUALIFIED Manager required for progressive Drug Store in the West Ridding; lucrative agreement offered to suitable applicant. 175/44, Office of this Paper.

UNQUALIFIED Assistant for good class Dispensing business.
Photo, full particulars, and salary required, H. Dring, Teignmouth.

VACANOY for Junior or Improver requiring experience in firstclass Dispensing Pharmacy; outdoors. Apply, with particulars of past experience and references, etc., to "W.," e/o Messrs. Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool.

WANTED (February 2), Dispenser, not under 24 years; quiek and methodical; accustomed to good-class Pharmaey; duty shared between three Assistants; salary £2 (outdoors). Apply, with full particulars and photo, to Mr. Reid, 2 Queen Street, Exeter.

WANTED, qualified Assistant for end of January for a good country business; easy hours; half-day; outdoors; permanency. State full particulars, age, reference, salary required, photo if possible, Exons. of E. Booth, Crewe.

WANTED, Manager, qualified, about 30, for Family trade in respectable working-class neighbourhood, to live in i half-day holiday weekly; steady and energetic. Please give particulars, salary required, when disengaged, and last two references (permanency to a suitable man), "Parker" (167/5), Office of this Paner.

WANTED at once, a competent Assistant. Apply, with full particulars in first letter, to S. Allen, 137 Queen's Crescent, N.W.

for 12 V

ivertise

WANTED immediately, ludy or gentleman with the necessary Insurance quadification or Minor; one capable of taking temporary charge of branch preferred; Doctor's Dispenser wishing Counter experience not objected. Gwilym Evans, Ltd, Chemists, 158 City Road, Cardiff.

WANTED, gentlemanly unqualified Assistant to help in the Retail and to call on Medical Mem and Chemists; cetablished connection and commission. Apply 174/23, Office of this

WANTED, Assistant; quick and accurate Dispenser; working-class district. Apply, stating full particulars and calary required, Portway, 225 Jamaica Road, S.E.

WILLIAMS & ELVEY, 8 West Halkin Street, Belgrave Square, want an Assistant (outdoors), about 25, and qualified. Particulars to S. R. Powell as above.

COUNTY BOROUGH OF GRIMSBY. EDUCATION AUTHORITY.

MUNICIPAL COLLEGE
WINTRINGHAM SECONDARY SCHOOL
APPOINTMENT OF LABORATORY ASSISTANT.

THE above Authority are prepared to receive applications for applications as Laboratory Assistant (Male) to the Upper School at the Municipal College.

Salary £60 per year.

Application to be made by letter, stating age and previous education, and to be addressed to the undersigned on or before Saturday, January 17, 1914.

DOUGLAS CHANDLER, Clerk to the Education Authority.

Education Offices, Grimsby, January 1, 1914.

WHOLESALE.

A SSISTANT required, capable of making specialities for the Retail trade; also Ointments, Emulsions, etc. Give full particulars of experience, and state age, salary required, and when at liberty, 175/43, Office of this Paper.

COUNTER hand for Dry Floor, aged about 20. Apply, stating full particulars of previous employment, wages expected, and if disengaged, to 178/7, Office of this Paper.

DRY Floor.—Strong young man for Heavy Drugs required, agc 20 to 22; experienced. Full particulars to 177/29, Office of this Paper.

EXPERIENCED Counter hands, aged about 24, with good knowledge of Wets and Drys, required; progressive appointments for energetic and competent men. State record and wages required to 178/70, Office of this Paper.

EXPERIENCED Ledger and Accountancy Clerk required in London Wholesale Druggist Sundries house; age under 30; methodical, accurate, and good writer. Apply, in writing, stating previous experience, in confidence, to "Competent," c/o Fassett & Johnson, 86 Clerkenwell Road, E.C.

Involce Clerk.—Smart, intelligent Junior required by North London from of Manufacturing Chemiete; good handwriting and accuracy at figures absolutely essential. State age, experience, and wages required to 177/250, Office of this Paper.

PHARMACIST wanted to Represent Manufacturing Chemists among Medical men and Chemists in Scotland and Midlands; good education and knowledge of Therapeutics essential. Apply, with particulars, 78/51, Office of this Paper.

PHARMACIST, young, with Therapeutic and Photographic know-ledge, for Literary Department of Wholcsale firm; must be able to write sound English. Apply, with full particulars of experience, age, and salary required, to "R. B." (81/64), Office of this Paper.

P.L.L. Making.—Man wanted, used to Making and Coating Pills in Pearl, Sugar, Chocolate, etc.; first-class workman only. Apply, by letter only, stating wages required and enclosing copies of references, "F.," 66 Park Street, Southwark, S.E.

PILLS.—An experienced Pill hand wanted for Hand-cutting and General work, Stato age, experience, and wage required to 177/25, Office of this Paper.

QUALIFIED Chemist required on Board of shortly to be formed Limited Company exploiting popular Medicines; must invest £250 (10 per cent. minimum guaranteed); services can be retained at good salary if wished. Send all particulars in strictest con fidence, Sussex Supply Company, 12 Vallance Road, Hove.

REPRESENTATIVE.—Young qualified Pharmacist rean English firm of Manufacturing Chemists to represent the North; Scotsman preferred; previous travelling not necessary, but must have had good Retail trainfull particulars to 81/640, Office of this Paper.

SMART Side-line.—Wanted, several reliable men, hw connection amongst Chemists, Perfumers, and Have to earry a new Tollet Speciality; good commission offered to good men. Apply, The Dawn Drug Co., Ma

TRAVELLER calling on Medical men, Chemists, a wanted to take up a high-class Side-live; opportunate good income; highest credentials necessary, particulars to Box 280, Willing's, 125 Strand, W.C.

TRAVELLERS, wanted, calling on Chemists and St up permanent Side-line for Birmingham and d Bristol and South Wales; 10 per cent. commission, represented, "S. B." (170,1), Office of this Paper.

TRAVELLERS.—Live men with live connections, the who can show result of calesmanship, offered spanity by Wholesale Sundries house featuring new 1 specialities; quick sellers; big profits for Chemet Scotland, Ireland, Wales; representing another house back. State all particulars first instance (in confidence of this Paper.

WANTED, an experienced Traveller for the Electronal Druggist Sundry trade; one who knows F ferred and to travel in France if necessary. App. Office of this Paper.

WANTED, on salary and commission, a smart Representation of the right man, as Anzora is being most extensively Apply, with fullest possible particulars, to "Anzora," Co., 62 St. Martin's Lame, London, W.C.

WET Department.—Experienced young man as Cut good references. State age, salary expected, full at to 177/290, Office of this Paper.

WET ROOM-Junior wanted by Wholesale house in the vinces; previous experience necessary. Reply, with ficulars as to salary, etc., to "Phenol" (80/19), Office

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(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 word beyond, prepaid. The Advertiser may, if preferred, hav addressed to this Office, and forwarded on payment of an adcharge of 6d.

CHINA.—A qualified Assistant (24 to 23) required, with ence in Manufacture of P.B. preparations and so lytical knowledge; four years' agreement; passage paid home; good salary and excellent prospects to a smith Apply, with full particulars, to 34/53, Office of this l'a

DURBAN, Natal.—Qualified Assistant required at once agreement; passage paid out by Union Castle Lin with photo and references, stating salary required, to S. Maw, Son & Sons, 7/12 Aldersgate Street, London

I NDIA.—Assistant required by one of the o'dest-estable leading firms in India; single; Minor qualification paid; 3 years' agreement with liberal edvancing sexcellent prospects of permanency; full particulars will to suitable applicants. Write in strict confidence, eta experience, etc., to "Oriental," c/o Deacon's, Leadenla E.C.

KARACHI, India.—Qualified Assistant required for a private British firm of Chemists; age about 25: agreement; second-class passage paid out; salary first a second year £220, third year £240. Apply, with preferences, to "R. L.," S. Maw, Son & Sons, 11 2 Street, E.C.

R OME.—Old-established firm require qualified English with all-round experience and good knowledge of Apply, with full particulars, salary required, etc., to Office of this Paper.

UNITED States.—Perfumery Traveller.—Required, a of experience in the trade and with a knowledge write, with full particulars, to "W. W.," Box 709, Kingsway Hall, W.C.

BLATORY Assistant required for South Africa; unmarried; a over 30 years of age; passage paid out; three years' arut. Apply, by letter only, to "L.," 14 Lafone Street, wirdge, London, S.E.

B ATORY.—Wanted, a working Manager for small Laborato in South Africa; must have had good experience in B.P. Preparations and Proprietary lines; unmarried prepassage paid out; 3 years' agreement; salary £18 per irst year, £19 second, and £20 third. Apply, by letter "C. M. N.," 438 Blandford Road, Beckenham, Kent.

TED by an old-established English Company in the Far it, a thoroughly competent Assistant, holding the Minor ion and having had good experience in first-class Retail age under 30; salary commencing at £225, and rising per annum, with quarters or an allowance in lieu thereof approximately £60 per annum; passage paid out and a four years' agreement: Address, "Export" (171/3), this Paper.

TED for Calcutta, India, by first-class old-established to Chemist's Assistant with Minor qualification, unage about 25; four years' agreement; salary (monthly) or Rs. 250, second Rs. 275, third Rs. 300, and fourth passage paid out and home. Apply, with full particulars lence, etc., to 158/12, Office of this Paper.

SITUATIONS WANTED.

is for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

Advertiser may, if preferred, have replies d to this Office, and forwarded on payment of an al charge of 6d.

[HOME.] RETAIL.

ists, trade circulars, samples, and printed matter can se be forwarded.

PANT; 28; unregistered; Dispensing, Prescribing, Photohy; tactful and successful Salesman; experience gained lass London, provincial, and seaside businesses, also Civil and Rexall Stores; has taken sole charge good Family 1911-1913; can start immediately or January 19. "(168/33), Office of this Paper.

CMIST, making a speciality of working up neglected nees, and of organising, rearranging, and remodelling open after February; would undertake any locum work oinction; catchy Window-dressing, on Continental and styles; early intimation desired. For full particulars organiser (175/11), Office of this Paper.

VIISER, sound experience, seeks permanency; either il or Wholesale (would travel); sober, industrious; excelences. "B. A." (175/4), Office of this Paper.

CANT; accustomed to high-class Dispensing and Retail; ography; age 22; 5 ft. 9 in.; London preferred. Brown, onards Road, Bexhill.

ANT; 221; 8 years' experience Dispensing, Counter, and ow-dressing; disengaged February. "Roy," c/o Bray, Redruth.

ANT; 23; 7 years' experience Dispensing, Retail, and graphic; disengaged February 5. 168/31, Office of r.

ANT; 22; disengaged; Dispensing or Counter; good nees. Park, 155 Whalley Old Road, Blackburn, Lancs.

I ANT or Manager; 39; tall, active, and of good address; llund experience; accurate Dispenser, excellent Solesman Fscriber; highest references; unqualified; married.

13.NT; 22; Wholesale and Retail experience; Dispensing, and Counter work. Scotia, 75 Perry Hill, Catford, S.E.

ANT or Branch Manager; 33; married; 19 years' best n and Provincial experience; window-dressing, photocaside preferred. "Lieter," 47 Whitby Road, Fallowchester. A SSISTANT or Manager; age 35; unqualified or relief; the roughly recommended; not afraid of work. Goodwin, 4 Springfield Road, King's Heath, Birmingham.

A SSISTANT; Manager; capable, reliable Dispensor, smart Salesman; trustworthy references. Forster, 5 Colemidge Road; Finsbury Park, N.

Branch Managership required shortly by Pharmacist, 38 single; London district preferred. "Moderate" (177/7)

BRANCH Manager, Assistant, or view succession; unregistered; 35; married; Extractor, Prescriber, Photographic; experienced; excellent references (N.H.L. qualification). 34 Cawdor Road, Fallowfield, Manchester.

CAPABLE, energetio Managing Assistant for Drug Store or Wholesale and Retail; Agricultural, Dispensing, Photo, and General experience; tasty Window-dresser; good references from three last places. "Celeritas" (175/110), Office of this Paper.

COMPETENT Assistant; 22; tall; experienced; accustomed to high-class Dispensing and General Retail; reliable Counterman; meat, accurate Dispenser; excellent references; good character; outdoors preferred; disengaged end January. Swalc, Grassendale Pharmacy, Grassendale, Liverpool.

COMPETENT Assistant or Manager; 30; single; abstainer; outdoore; 14 years' good-class Retail, Dispensing, and Photographic experience; 5 years' and 4 years' references; permanency; thoroughly capable; good Counterman. Optics," 57 Monkgate, York.

DENTAL Operator; capable Gold Filler, Crown, Bridge and Bar work; able to treat all diseased teeth possible; also 10 years' experience in first-class Pharmacy; age 27; married; of good appearance and address. Apply, 175/21, Office of this Paper.

DISENGAGED till 6.30; experienced first-class Dispenser; Insurance Dispensing; quick and qualified; Counter, good Salesman. Gibson, 115 Scott-Ellis Gardens, St. John's Wood.

DISENGAGED; Assistant, Manager, or Locum; any period; thoroughly experienced; competent, reliable Dispenser, Sales man, Prescriber, Window-dresser, Photography; tostimonials "Chemicus," 28 Claverton Street, Pimlico, S.W.

DISPENSER; experienced; Doctor or Chemist; unqualified; good references; London preferred. 178/2, Office of this

DISPENSER-BOOKKEEPER seeks temporary or permanent post; London or near; Doctor or Chemist. 155/12, Office of this Paper.

DISPENSER-BOOKKEEPER and Surgery Attendant, age 32 (late Naval Medical Service), desires post: 16 years' practical experience; accurate and reliable. 171/36, Office of this Paper.

PRUG Store Manager, with or without view to succession; Tees- or Type-side; 42; present situation 9 years; married. "Rhei" (168/29), Office of this Paper.

EVENING work wanted; Dispensing or Surgery Attendant.

40/- WEEKLY.—Manager Branch Drug Stores; Hall qualification; age 47; single; abstainer; good references; orderly, cleah, systematic. "S," 5 Barnfield, Belvedere.

5 YEARS in Present Situation,—Unqualified, 30, desires change; single; tall; thoroughly experienced in good-class Retail, Diepensing, Photographic. "Adalin" (169/34), Office of this Paper.

INSURANCE Dispensing; evenings; Lady; qualified. "E. B.," 140 Green Lanes, Stoke Newington.

JUNIOR Assistant; age 21; height 5 ft. 10 in; experience 6 years 7 months; Kennington preferred but not essential. C. C. Johnstone, Fore Street, Bodmin.

JUNIOR, 21, requires situation; 5½ years' experience, 18 months South Coast; Liverpool preferred, not particular. Robinson, 6 Normanby Terrace, Whitby.

JUNIOR, 19, just left apprenticeship, seeks situation; Swansea, Cardiff, or Liverpool districts preferred. "G. J.," 1 Danygraig Road, Swansea.

JUNIOR, 4 years' London experience, requires permanency; energetic, willing; free January 31. 175/22, Office of this Paper.

LADY Dispenser (Hall) requires re-engagement in London; Doctor or Institution; good references. 172/38, Office of this I OCUM; qualified; 48; disengaged; first class references and experience. Dewey, 3 Helona Avenue, Margate.

L OCUM till January 24 only; lengthy varied experience; exceptional references; unqualified; 33; most reliable. "L.,"

m L OCUM or permanency; qualified; '36; disengaged. "Chemist," 91 Belgrave Gate, Leicester.

L OCUM or permanent; unqualified; 34; experienced; immediate "Cascara," 2 Garden Road, Margate.

L OCUM or permanency; qualified; disengaged; 20 years' varied experience; highest references. "Rhei" (177/26), Office of

I ONDON.—28; qualified; outdoors; Dispensing business; last berth 4 years; disengaged early in February: "Spes" (169/28), Office of this Paper.

MANAGER, Assistant; unregistered; 36; good varied experience. "Chemicus," 27 Portsmouth Street, C.-on-M., Manchester.

MANAGER or responsible position; qualified; experienced; London; 46; married; permanency. 173/1, Office of this Paper.

MANAGER; qualified; 39; abstainer; married; reside on premises preferred; disengaged January 24; permanency. Evans, 39 Seaforth Road, Liverpool.

MANAGER; 20 years' experience, all-round, Institutions. Export, control. 52 Newington Causeway.

Manager, Locum; qualified; thoroughly experienced; good references. "Aspirin," 11 Hadham Road, Bishops Stortford.

MANAGER; good-class business; outdoors; Major; 43; height 5 ft. 8 in.; good references; experienced; disengaged shortly. "T.," 79a Fielding Road, Bedford Park, W.

PART-TIME; Dispensing or Counter; London; Minor Student; life abstainer; tall; experienced. 169/11, Office of this Paper.

PART-TIME; Junior; 20; unqualified; good Counter experience; afternoon and evening preferred; Manchester district. "R.," c/o 182 Claremont Road, Moss Side, Manchester.

PART-TIME Assistant, age 22, desires berth; preferably near a School of Pharmacy. Fawke, 26 Liston Road, Clapham, S.W.

PART-TIME or temporary employment required. Corlett, 69 Sandringham Road, Norwich.

PHARMACIST, 28, qualified, desires permanency; 13 years' good all-round experience; excellent references; Manager or Senior; provinces preferred. Bell, Barrington Crescent, Stockton-

QUALIFIED Branch Manager, married, young, seeks situation (Lance preferred); short hours and residence behind essential, Revill, 29 Victoria Street, Wolverhampton.

QUALIFIED, 26, requires permanency; outdoors; disengaged; good experience, references. Particulars to "Lux" (169/38), Office of this Paper.

QUALIFIED, 24½, desires permanency; outdoors; Counter, Prescribing, Dispensing; first-class London and provincial experience. State hours and remuneration, P. Walkden, 135 Cardigan Road, Leeds.

QUALIFIED; 22; London preferred. Salary etc., to 171/1, Office of this Paper.

QUALIFIED, 26, abstainer, desires permanency; London, West; 5 years in precent position; good Dispensing experience. 167/8, Office of this Paper.

QUALIFIED; as Manager or Locum; married; good experience Statim," 91 High Street, Seven Oaks.

QUALIFIED; 42; Manager or Dispenser; immediately; out-doors. Wicks, Ufton, Reading, Berks.

UALIFIED (40), weak on legs, decires permanency as Supervisor, Dispenser, or for Stock, etc.; single; varied expensence; moderate terms. "Competent" (173/21), Office of this Paper.

QUALIFIED (23), single, requires outdoor situation in or near London. 172/22, Office of this Paper.

QUALIFIED; aged 58; good experience; outdoors and short hours. 173/17, Office of this Paper.

QUALIFIED; Manager or Managing Assistant; best-class perience; London or West of England preferred; volumes succession or partnership entertained. "Pharmaeist" (174 Office of this Paper.

QUALIFIED; Loonm; free 12th inst.; age 27 years, be 5 ft. 7 im.; excellent references. "Pharmacist," 37 Me Road, West Kensington, W.

QUALIFIED, Locum (45), desires engagement till May. E Comingsby Honse, Hereford.

QUALIFIED; Manager; 43; married; ab references. "W.," 1 Cecil Avenne, Enfield. abstainer, ex-

QUALIFIED requires citation in South Wales; good expe. "Benzene," 50 Foxley Road, Brixton.

QUALIFIED; Manager; 42; live over preferred; excellent reference and first-class experience in all branches. Joynson, Gleneagle Road, Streatham, S.W.

QUALIFIED (34), experienced, desires post as Dispensive Doctor or Hospital; or Part-time with Chemist. Market Bigh Street, Acton, W.

QUALIFIED; locnm or permanent; Dispenser, Prescribe engaged. "H.," 2 Hawthorns, Aintree, Liverpool.

QUALIFIED; Manager, Locum, or Relief; exceptionally all-round experience; London and country; satisfactory ences; reliable and trustworthy. "Aspirin," 258 Derinton R

QUALIFIED Assistant, West-End experience, seeks part London engagement. Symons, 39 Voltaire Road, Clapt

QUALIFIED (23), 6 feet, thoroughly competent Dispensel years' high-class Pharmacy, requires berth in London, ferably West End. Carter, 25 Chelsham Road, Clapham.

QUALIFIED; Manager, Senior, or Locum; high-class experience; good references; knowledge of French; aged; disengaged; outdoors. Stanley, 147 Sulgrave Road

QUALIFIED Assistant (Lady); 5 mears' practical expending and Retail; highest references. 177/14, Offi

QUALIFIED, aged 31, experienced, desires situation as Mana with view to early succession; first-class West-End reference Apply, 178/14, Office of this Paper.

RELIABLE Manager; 44; married; energetic, experience erease Branch, or might entertain easy succession. "Relative (178/13), Office of this Paper.

SIX months' engagement wanted by Major man; exper-high-class Family and Working-class trade, N.H.I. Pl graphy; any capacity; undeniable references. Burrell, 149 B Road, Doncaster.

SOUTH DEVON, Cornwall.—Qualified; abstainer; 29; index outdoors.—R. Clement, Wantage, Berks.

OUTH YORKSHIRE.—Assistant or Manager; 26; tall years' good all-round Dispensing, Photographic, and sexperience; outdoors preferred; January or later. Δpply, 16 Office of this Paper.

O'TOCKKEEPER seeks cituation; age 33; used to p Chemists' Proprietaries; methodical, energetic, and "M.," 1 St. Stephen's Square, Bayswater, W.

THOROUGHLY competent and reliable; qualified: 27 varied experience; Senior or Manager. 170/70,

UNQUALIFIED Manager, 32, tall, requires neglected lead to work up; experienced; London or country; would under supervision. "Liss" (169/39), Office of this Paper

UNQUALIFIED; 20; 5 years' London and provincial expenses heath, S.E. Apply, "B," 6 Poyal Parade

UNQUALIFIED Assistant; Country Dispensing and Prescriptions; Extractor; Midlands or North pro "Hetraline" (171/31), Office of this Paper.

UNQUALIFIED, capable Assistant; 24; reliable and on good references; disengaged early in January. Re Mayne, 21 St. Augustine's Road, Penarth, Cardiff.

UNQUALIFIED; 21; good appearance; good Counter abstainer; Dispensing and Photographic experience Daton district, or North preferred. "Rhei," 92 Victoria

WHO ode eireulan

speaking

" (155/14)

ED Chemist's Assistant, 25, desires situation in business; accustomed to N.H.I. Dispensing; capable ge; has managed shop for 2 years. 165/1, Office

ED, Assistant or Manager, 34 years, married, de-ge; permanency desired; 17 years' good-class ex-ographic, Dispensing, Bookkeeping, Counter; Lancs yet at liberty. "Acetic," 287 Hyde Road, Man-

IED Assistant; experienced; age 42; married. Terrace, East Ham.

IED (26), abstainer, 10 years' experience, Dispenser, r. Window-dresser, wishes locum or permanency; rict; excellent references. "Ajax," 74 Coltart Road,

IED: Manager or Accistant; experienced Pre-Extractor (Impressions taken); age 40; used to Extractor' (173/33), Office of this Paper.

IED, age 30, tall, first-class experience, all branches, esman and window-dresser, as Manager of Drug n or the North preferred. "Veronal," Cottenham,

IED Assistant; 38; 5 ft. 8 in; abstainer; dis-outdoors; good reference. "J.," The Bungalow, et, Cheltenham.

IED Assistant, tall (31), best all round experience, permanency; disengaged. "Statim," Helme Leigh, ldcrefield.

ED, speaking German and French, with knowledge sh. desires situation. 177/20, Office of this Paper.

WHOLESALE.

trade circulars, samples, and printed matter can

ER (qualified), having had control of Manufacture, and Secretariats of well-known Proprietary Medicine ars, seeks similar post of responsibility. 169/29,

er or Traveller for Toilet Preparation, employed by s houces for over 10 years, can undertake business; Home or Colonies. 172/16, Office of this Paper.

qualified, wishes responsible position in Laboratory; sperience as Laboratory Manager with good firms; rences; no objection to going abroad. 175/19, Office

S Assistant, 27, desires position with Wholesale firm recentative; disengaged February. "Energetic" recentative; disen

lerk, with a thoroughly comprehensive knowledge of etra, with a thoroughry comprehensive knowledge of ed trades, seeks position as Office Manager or similar od organiser, with splendid all-round experience of side of the business, including Costing, Pricing, In-titution work, and Catalogue work. 169/51, Office of

NOED Representative, well known to Medical pro-and Pharmacists, desires engagement where the cer-rst-class man would receive appropriate remuneration. ctangle" (155/14), Office of this Paper.

W and West of Scotland.—Energetic Traveller, with connection, wishes additional side line; Bottles, Brushes, 5 regular selling line. 175/13, Office of this Paper.

Clerk; 27; 11 years' London experience; accourace, 172/3, Office of this Paper.

ED, 27, good Retail experience, would like situation, ale, or as Representative. 170/7, Office of this Paper.

ED Pharmacist, with wide experience, England and desires Part-time Representative work in London. ice of this Paper.

ND ADVERTISING MANAGER (Pharmacist) desires; has had exceptional experience and is open to take se if necessary of the marketing of a Household, Medimical Speciality; good knowledge of town and country working; able to write up press and general advergrand organise and develop sales on sound modern resent with firm which has made many Proprietaries words. Address, "Progressive" (153/13), Office of

REPRESENTATIVE, with 12 years' connection amongst leading London Chemists and Stores, requires Agencies. "Credential" (169/16), Office of this Paper.

To General Wholesalers, Mannfacturers, Exporters, and Commission Houses.—Englishman, highest qualifications, filling position on management staff of important Wholesale firm abroad, who must for family reasons return to England, desires home appointment; long experience covers all branches of Drug trade, commercial, technical, analytical, general and fancy Sundries, Proprietaries, charge of staff; travelling representation for English firms over several countries; age 39; about £300. 171/2, Office of this Paper.

PRAVELLER; experienced; disengaged; well known in South of England and South Wales. 174/11, Office of this Paper.

YOUNG man (20) seeks employment in Wholesale house; 5 years with Retail and 6 months in Wholesale. Weston, Wood Street,

MISCELLANEOUS.

To Apothecaries' Dispensers **IMPORTANT!!**

Evidence of loss of employment or other injury sustained by the above class as a sole and direct result of the operation of the National Insurance Act is being sought.

Essential and material facts relating to the foregoing, which will be treated in the strictest confidence, should be forwarded at once to

FRANCIS E. TRAYNER, Non. Secretary

(Association of Certificated Dispensers),

Apothecaries' Hall, 13 Carlton Road, Manor Park, Essex.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1893. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—100 Alby Carbido Ordinary, 35s. 10½d.; 90 Allenbury "B" 6 per cent. Preference, 25s. 9d.; 50 "C" 6 per cent. Preference, 25s. 25 W. 1). Bush Preference, 78s. 10½d.; 100 Brunner Mond Ordinary, 92s. 6d.; 200 Ilford Ordinary, 13s. 4½d.; 100 St. Ivel 6 per cent. Preference, 20s. 6d. cat. 400 Selfridge 6 per cent. Preference, 20s. 6d. (400 Selfridge 6 per cen

CHEMIST'S second-hand large stock of Drug-fittings, Wall-cases, Dispensing-screens, Glass-fronted Counters, Window-Enclesures, Mirrors, Window Shelves, Swan-neck Carboys, also complete Fittings for large Drug Stores, cheap to clear; estimates free; cheapest house in the trade for structural alterations, Shop-fronts, etc. H. Mills, Chemists' Shop Fitter, Shop Front Builder, Steam Works, 163-5 Old Street, E.C.

S ECOND HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all the selection of these in all the selections. all sizes; prices are right and goods ere in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old street, E.O.

C'HEMISTS' Fittings, Secondhand.—Enough to fit up a dozen shops, comprising Ranges of Shelving, Drawers, Lockers, Counters, Piano-fronted Wallcases, Dispensing-screens, Countercases, Shop Rounds, etc., at give-away prices. D. Matthews & Son, The Chemists' Fitters, 14 and 16 Manchester Street, Liverpool.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy, all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

MCQUEEN'S System of Accounts for Chemists; balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Eleventh and improved Edition). Full particulars and testimonials, post free, McQuech & Co., Mont Road, E. Leicester.

PRICING Insurance Prescriptions, — Send your Prescriptions every week or month and have them returned post paid in a few days; priced by competent Dispenser used to Tariff work; 1s. per 100. "J. F. H.," 87 Northumberland Park, N.

RE Frederick Herbert Horniblow, deceased (trading as W. T. Horniblow & Som), 29 Sidbury, Worcester.—Any persons having claims against the estate of the above must send particulars not later than 20th inst. to the undersigned. G. H. Haycox (executor under the will of the deceased), 25 St. Wulstan's Crescent, Worcester.

£40.—Complete set of Pharmacy Fittings, secondhand, comprising 10-ft. Mahogany Drug Fixture, 8-ft. Mahogany and Plate-glass Serving Counter, Neet of Counter Drawers, Dispensing Screen and Counter, Mahogany Wall Showcase, Mahogany and Plate-glass Perfumery Showcase and Desk; all in excellent condition. PHILIP JOSEPHS & SONS, LTD., 93 0ld Street,

THE CHEMISTS' FRIENDLY SOCIETY

Insurance books, contribution cards for ensuing 25 weeks, &c., have been posted to all members this week. Admission forms on application to

THE MANAGER, C. F. S. (C Dept.), 194 St. Vincent Street, GLASGOW.

IT IS NO MYSTERY

A WELL-KNOWN FACT THAT OUR SHOWCARDS GIVE SATISFACTION. If you are not satisfied with the ones you have, write us-

FOR WE CAN HELP YOU. We give you Style, Quality, and Effect, AT LOW COST.

F. MERTEN & CO., 72 Marlborough Rd., Holloway, LONDON, N.

FOR THE LAST TIME

My new idea for Self-washer is offered. After January 10 it will be withdrawn, except to my clients. See previous adverts. Why wait until a wholesaler asks you to take one up when you can have it as your own Speciality? Also get ALL the profts. My letter this month deals with this; three ideas for window shows, copy for adverts.; and how to turn Insurance Dispensing to profit. You want ideas, and you get sound practical ones with my Business System.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for Jess than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

OVERSTOCK.—Creta precip., 1 cwt.; indigo, 11 lb.; acid. calicylic. (Bayer), 6 lb.; strontium nitrate, 6 lb.; barium nitrate, 2 lb. Roberts, Chemist, West Bromwich.

OPTICAL AND PHOTOGRAPHIC.

OPTICAL testing case, in good condition, and 250 artificial eyes and lenses; also cheap dental chair. Apply, 177/38, Office of this Paper.

SHOP FITTINGS.

CARBOYS, pear-shape, 1 10-gall., 2 5-gall. Roberts, Chemist, West Bromwich

ONE 10 ft. counter, glass-case fronts, also flat glass case, 10 ft., shop-rounds, and scales. Apply, 177/380, Office of this Paper. TWO cut-glass show-vases, 32 in. high, Maw's fig. 1452/S, perfect; accept half price, packed free on rails. Swindells, Chemist, Flowery Field, Hyde.

MISCELLANEOUS.

ONE Colton gelatine-coating machine, complete with p plates; offers wanted. Apply, 76/44, Office of the P. SOUTHALL'S botanical specimens, mounted as new materia-medica cabinet, over 300 specimens; 14. forward. "Krameria," 19 Sidney Road, Beckenha

WANTED.

SET of books for Minor, second. Newent Drug C Gloucestershire.

KELLY'S " Chemist and Druggist Directory " for 1912 1 -Office of this Paper.
QUAIN'S "Medical Dictionary," late edition; good p

169/23, Office of this Paper.

5-GRAIN pill-machine; good condition; low price "Chemist," 12 Dunbar Road, Forest Gate, E

COUNTER-CASE, about 26 in. by 15 in. by 4 in till. Particulars, E. & S. Watson, Ltd., Ceater M. CHECK till; dispensing scales conforming to re "Pharmaceutical Formulas," "Martindale." P. GARDNER'S mixing machine, in good order, other

or small-power size. H. E. Stevenson & Co., 122

OPTICAL books; Minor Major, Chemists' books; send page valuation; cash offers per return. Gower, Bo Voltaire Road, Clapham, London, S.W.

WANTED (Yorkshire), nest of drug-drawers in really tion, with lockers under preferred, 10 ft. long or shop-rounds, jars, and an upright counter-case, 4 'a about 3 ft. high; also modern National total ad register. Description and offers to 81/47, Office of t

Pharmaceutical Organisation.

A meeting of about 200 members of the London Middlesex Pharmacists' Associations was held a Holborn Restaurant, London, W.C., on January E. White presided, and explained that the meeting called to instruct delegates to the January 21 confers the pointed out that it was possible to discussionistic only. The first of these was adopted on the most Mr. Tocher—viz.: That the duty of federating Parameterical Committees be undertaken by the Pharmace and Society by a scheme of organisation fitted and second Society by a scheme of organisation fitted and second society was scheme of organisation fitted and second sec of Mr. Tocher—viz.: That the duty of federating if maceutical Committees be undertaken by the Pharmaceal Society by a scheme of organisation fitted and signs for that purpose. Mr. Pentney asked if the effect resolution was to make the Pharmaceutical Society of the controlling power. The Chairman said it was merexpression of opinion, the details of federation to be seen as the controlling power. The Chairman said it was merexpression of opinion, the details of federation to be seen as the controlling power. The Chairman said it was merexpression of opinion, the details of federation to be seen as the controlling power. The Chairman said it was merexpression of opinion, the details of federation of later. The second cardinal point related to whether Associations or Pharmaceutical Associations by Mr. H. Skinner was parameter of these Local Associations be coterminous with the of Insurance Committees, and that other Association affiliated with these as "District Associations," the staries of these Associations to be official represent of the Pharmaceutical Society in their respective areas third point concerned Pharmaceutical Insurance Imittees (under the scheme), a heated discussion followed the pharmaceutical Association appoint, among other mittees, Eventually Mr. Keall's motion that the Pharmaceutical Association appoint, among other mittees, a Pharmaceutical Insurance Committee, consistent of the statutory Pharmaceutical Association appoint, among other mittees adopted with end dissortion. mittees, a Pharmaceutical Insurance Committee, consistency of pharmacist members of the statutory Pharmaceutical Committee, was adopted, with one dissentient. Mr. W. motion in favour of federating Associations in propharmaceutical Committees was passed without discurbed local Associations Conference "should deal with all mid (including Insurance) concerning pharmacy. The representation of the Pharmaceutical Council on the "Executive mittee" was the main point in connection with the position of the final representative holy. On all had mittee" was the main point in connection with the Position of the final representative body. On all have was felt that nine is too many. Mr. A. E. Bailev proseven, and a compromise of six was adopted by a majority. The meeting finally agreed to an Executive fifteen, nominated and elected by the "Conference, the addition of the President and Secretary of the maceutical Society as ex officio members. Of the first least six must be Pharmaceutical Councillors, one resentative of bodies corporate, and one from Wales land being left out. It was an intensely interesting message of the secretary of the

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